

DX News

* Serving DX'ers since 1933 *

Volume 64, No. 20 - March 3, 1997 (ISSN 0737-1659)



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CPC Test Calendar

KFGO	ND	790	Mar. 3	0100-0130
WEST	PA	1400	Mar. 10	0000-0030
KSLQ	MO	1350	Mar. 17	0100-0130
KKFJ	CA	570	Mar. 23	0300-0400
WEGP	ME	1390	Mar. 29	0300-0330
WHK	OH	1420	April 7	0300-0330

WWCN-770 - P. O. Box 9600 - Estero, FL 33928 will conduct DX tests from 0030-0100 am EST on March 3, 4, 5, 6, 10, 11, 12, 13, 17, 18, 19, 20, 24, 25, 26, and 27 at 1,000 watts directional between 12:30 and 1:00 am EST January through March. The tests will include Morse code IDs inserted during their regular programming of old-time radio serials and vintage comedy. Reception reports may be sent to Mr. "Joey C.", Program Director. Arranged by J. D. Stephens for the IRCA CPC.

From the publisher ... NRC ANARC rep Dave Schmidt will again be attending the Winter SWL Fest at Kulpville, PA, March 13-14-15, and any other NRC'er who also would like to attend should contact Dave to coordinate NRC representation. Hotel reservations should be made with the Holiday Inn - 215-368-3800; rates are \$59 single, \$64 double. Registration is \$35, which includes forums, the hospitality room, lunch, and banquet, or \$17 (hospitality room but not meals, and \$19 for spouse (hospitality room and meals. For more info, contact ANARC at Winter SWL Fest - Box 591 - Colmar, PA 18915.

We mentioned the air nav web site in the January 13 DX News, and Jeff Multer says that the address of the site has already changed to <http://www.airnav.com>. "The site provides for searching for both low frequency and VHF navigational aids by Morse code ID, letter ID, and by frequency," Multer said. "The nav aid information also identifies what airport the aid is associated with. By checking the airport search feature, you can also obtain the administrative address for every U. S. airport. The airport information is more comprehensive than the standard pilots' facilities directory."

Andy Rugg is looking for a replacement copy of a historical article entitled "The Great Frequency Change of 1941". The original appeared in a hobby publication quite awhile ago, and the exact source and date are unknown. Andy's copy has gone astray. If you can help, write to Andy Rugg - 375 Ivan Crescent - Cornwall, ON K6H 7C7.

Welcome to these new members ... Robert J. Warley, Jr. - East Hampton, CT; Robert West, Prattville, AL; Joseph B. Martin, Beach Park, IL; Otis R. Blaumanis, Sparks, MD; Jim Donelson AB4IF, Lantana, FL; Bogdan Zarski, Fala Electronics, Milwaukee, WI. I should note that we have lost a significant number of members since December. If we're not meeting your needs (perhaps it was something we said?) please drop the publisher a card indicating what we're not doing right to keep you a member in the world's oldest and largest MW club.

IRCA Convention ... Mike Sanburn is hosting the 1997 IRCA "Mega-Convention" at the Holiday Inn Bristol Plaza, Costa Mesa, CA July 25, 26, and 27. The registration fee is \$35, and room rates are \$60 per night, per room (not per person), and those rooms include a king and sofa bed OR two queen beds. The hotel is located right off the southbound Bristol off-ramp of the 405 San Diego Freeway (3131 South Bristol - Costa Mesa, CA 92626, 714-557-300, FAX 714-957-8185. For more info you can contact Mike at 310-614-1444 nights, or P. O. Box 1256 - Bellflower, CA 90707.

DXN Publishing Schedule, Volume 64

Iss.	Deadline	Pub. Date			
21.	Feb. 28	Mar. 10	26.	May 9	May 19
22.	Mar. 7	Mar. 17	27.	June 13	June 23
23.	Mar. 14	Mar. 24	28.	July 11	July 21
24.	Mar. 28	Apr. 1	29.	Aug. 8	Aug. 18
25.	Apr. 11	Apr. 21	30.	Sept. 12	Sept. 22

DX Time Machine

From the pages of DX News:

50 years ago ... from the February 22, 1947 DXN: The text was published of a letter by Carroll H. Weyrich of the Newark News Radio Club to *Broadcasting Magazine* regarding "the increasingly irksome all-nighter situation". The following were proposed: 1. All 24-hour stations remain silent from 1 to 6 am at least two weeks every month; 2. All monitoring companies establish frequency checking schedules during the silent periods; or 3. All stations wishing to operate 24 hours be assigned a special frequency in the BCB.

25 years ago ... from the February 26, 1972 DXN: Mike Collins, Stamford, CT reported tentatively hearing KEAR-660 Fairbanks, AK on February 2, but then, after receiving a non-confirmation from KEAR, said that perhaps the EE program he heard could have been R. Lumiere, Haiti, instead.

10 years ago ... from the February 23, 1987 DXN: Don Moman reviewed the Kenwood R-5000.

Domestic DX Digest

West: Bill Hale phantom2@cyberhighway.net

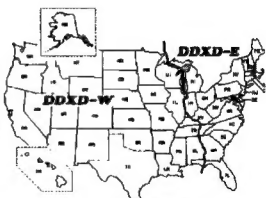
301 Boulder Bluff - San Marcos, TX 78666-8350

East: David Yocis DavidYocis@aol.com

David Yocis - 97 Clinton Ave. - South Nyack, NY 10960

DX Catches in the U. S. and Canada, with 24-br. ELT

(Division line is
between East and
Central time zones)



DDXD-West

MEDIUM WAVE RAMBLINGS

- Sincere condolences go out to Wayne McRae, whose wife lost her battle with cancer. Our thoughts and prayers are with you, Wayne.
- Sorry about missing last issue, but we were out house hunting in the metro Dallas area. We have a few mailed reports as well as some E-Mail I found at the old Wazoo site to pass along this week.
- Craig's built himself a new three-foot loop, and says the nulls are deeper and it's quieter than his four-footer. But he didn't say what kind of radio he's using!! Results below. Thomas Reiser of Chicago writes: "I have a couple of corrections for contributions made by Christos Rigas and Barry Finkel in the 1/27 DDXD-West Special section. WPGE863 - If this is truly for Lake Cook Road, there is only one Lake Cook Road Station, which is in Deerfield, Illinois . . . WTED863 - There is no Hickory Street stop on the Metra System. There is, however, a Hickory Creek Stop which is at 9430 Hickory Creek Drive in Mokena." Thanks to Eric Cooper of Mission Viejo, California for a couple of Internet reports regarding the 540/540/1260 questions in Southern California/Baja California Norte. . . "There has been no ownership change. K-NEWS just wasn't getting the ratings we needed to maintain the format. We decided to go to a music format and as a transition, we'd play all Beatles for a new format. The response has been so great that we are going with it. We still have to use KNNZ and KNNS until the FCC gives us the OK to officially use the KGIL calls. We can call the station anything we want, it's just that at the top (and with the Mexican signal at the bottom) of the hour we have to use the legal calls. It will change in a few weeks." This blurb is from Jim Roope of KGIL. Also on this subject, Tim writes: "Latest news on K-Bach AM 5-40 is that their target date is now between mid-February and March 1st. Flooding in Sacramento apparently delayed delivery of an antenna to the XETIN facility in Tijuana. An article in the San Diego Union implied that XETIN would be raising power to 25 kW. In the meantime, XETIN has been silent most days, and I have heard no signs of testing on 540 or 1650." And Shawn and Wayne, between catching snowflakes on their tongues, say: "Now that was a DXpedition. We tramped out to find both of the East beverages missing. The lead in wire was there but no sign of the antenna. I dug around outside for about 30-45 minutes in -15 C temps but to no avail. Hey, with 2-4 feet of snow on the ground it would have been easier to find a needle in one of the hay bales on the field that 22 gauge wire!! Oh well, the rest worked well and as you see we got many new ones including KWOE Waterloo, IA my #2000!! I had wanted to hear 2000 by the year 2000 so I'm early. We got a bit of a surprise when the skies cleared and the temps went down to -26C. Well at least the cars started in the morning. Slow but started. Had a lovely 60 mile drive home in blowing snow just to cap it off. We did see one new thing at the farm. A HUGE owl decided to look for food about 150 feet from the DX bus. I have never seen one that size. We stopped DXing to watch it catch two field mice. Wing span was at least 6 feet! Beautiful bird. That and great B-B-Q for supper made it extra special. Will try for one or two in March."
- I received a card from Morris Sorensen where he asked what happened to his GYDXA record for CFYK-1340. It appears that one line was omitted from the 1340 list in Issue 16. The entire CFYK listing is included at the end of this column. Sorry, Morris.
- A small, but dedicated, band of DXers make up our reporting cadre this week. Join them!

REPORTERS

PL-IL Peggy Leifert Woodbridge Superadio III
 JW-CO John Wilkins Wheat Ridge Drake R8 + 4' loop or 800' SE/NW Beverage
 CB-CO Craig Barnes Wheat Ridge unknown rx + 3' loop
 CB-CO1 Craig Barnes 4 miles west of Broomfield unknown rx + 1800' NW-SE long wire or 1500' ENE-WSW long wire
 WH-CO Wayne Heinen Aurora TRF 12-655 with Q-Stick

TJ-SD Terry Jones Plankinton DX-390 + Select-A-Tenna
 JR-OK John Reed, KA5QEP Ponca City modified Sylvania R1414/URR + noise-reduced wire + Palomar loop phased with ANC-4, Kiwa MW loop <jtreed@iameerica.net>
 SA-MB Shawn Axelrod Winnipeg ICOM ICR-70 With filter mods and PLAM board + 4 foot box loop / Quantum Loop / 100 foot long wire <saxelrod@mb.sympatico.ca>
 VALDX Wayne McRae and Shawn Axelrod Valhalla Beach DX Site 2-ICOM ICR-70 with filter mods and PLAM board + 8 Beverages going south, east, and west
 JE-WI Jon Ellis Superior <jellis@student.uwsuper.edu>
 TRH-CA Tim Hall Chula Vista ICF-2010, KIWA Loop <halls@inetworld.net>
 BK-CA Bob Karchevski Sunnyvale Drake R8-A with SM-1 (loop) <karchev@nt.com>
 INet Internet resources
 Ed.-TX Editor near the DFW IAP Delco AM\$/FM\$ caradio

SPECIAL

- 550 KTRS MO St. Louis - 1/30 2144 - Fair-to-poor with local talk program and ads into ABC news. Now local talk. Ex: KSD. NEW! (SA-MB)
- 610 KZSS NM Albuquerque - Drops // FM AOR format for WW1 Imus, and motivational programs the rest of the day. (WH-CO)
- 630 WDGY WI Hudson - 2/16 0940 - Poor-to-fair with NOS or BBD music. WDGY ID. Back on the air from a new city and state. NEW. (VALDX)
- 710 KNUS CO Denver - Drops AP for CNN. (WH-CO)
- 750 KBNN MO Lebanon - 2/1 0758 - Fair with an ID as KBNN Lebanon 7-50 on your AM dial. Local ads for Springfield and area. Ex: KJEL. NEW!! (SA-MB)
- 790 WAYY WI Eau Claire - 1/2 1838 - Fair under CIGM and KFGO, with their new talk format. Ex: WEAQ. NEW!! (SA-MB)
- 850 (KOA) CO Denver - 1/29 1040 - Noted totally off. Sadly, unable to hear anything on 850 other than local 670/760 mixing product. #*&\$! KOA back on at 1103. (JW-CO)
- 860 KCNR UT Salt lake City - 1/29 1058 - With Radio Disney programming. Legal ID at 1101. Good signal, with no KOA slop, the latter being off for unknown reasons. So, is SLC the only major market with two stations with a KID format? (JW-CO)
- 980 KSGM IL Chester - 2/16 - Is back on the air simulcasting the FM programs and format, but will be doing original programming soon. (INet)
- KMPQ TX Rosenberg - 2/20 - Changed from Kidstar to Tejano // KRTX. (INet)
- 1050 KCHN TX Liberty - 2/16 - Now these CLs, ex: KPXE. (INet)
- 1150 KDFF TX Highland Park - 2/17 - According to Al Brumley in the Dallas Morning News, this station went off the air at 2:12 PM local on 2/10, while preparing for their format change to . . . All Traffic, All The Time (at least during AM and PM drive times). CNN Headline News will fill the gaps at noon, evenings, overnight, and on weekends. I listened to 1150 while in the afternoon race today, and the channel was fairly quiet. So they're either not on yet, or their 1000 watts doesn't cover DFW IAP. Ex: BbD. [Ed.-TX]
- 1190 KFEZ MO Kansas City - 2/15 - The Kansas City Star reported today that on March 3rd, KFEZ and KNHN will swap formats. KNHN owner Bill Johnson assumed control of KFEZ in an LMA in September, quickly dumping KFEZ's distinctive stereo MOR format for a "Music of Your Life" satellite feed Johnson closed on his purchase of KFEZ in October. The 1340 synchronous arrangement will remain, but the stations will broadcast the MoYL satellite relay, according to the Star report. Oddly enough, the newspaper report said the station at 1190 would assume the call letters of KPHN, not KNHN. (INet)
- 1230 WKLK MN Cloquet - Changes to a satellite fed Nostalgia format. (JE-WI)
- 1280 KRRF CO Denver - Drops BBC News for NBC. (WH-CO)

TOO HIGH TO BE LEGAL

- 1620 KDAA MO Rolla - 2/1 0540-0805 - Found this while searching for KXBT, with a mixture of contemporary hits by Phil Collins, Joe Jackson, Richard Marx, Counting Crows, etc. Signal was strong, but fairly distorted at times. Simulcast of KMOZ 97.5. Many K-Day IDs along with KDAA, KMOZ, K-Day just before 0805. I called station and they said they do not broadcast on 1620 and have no plans to move to the expanded band. Did anyone besides my brother and me hear this? (PL-IL)

KTK
SPORTS RADIO
1340

UNIDs and UNID HELP

- 850 UNID ?? - 2/16 0640 - Very strong TTs that went on for over 30 minutes, but never an ID. Over KOA. (VALDX)
- 879.8 UNID ?? - 1/24 1919 - With Mike Reagan syndicated program. Local ads at 1919 and 1930, but couldn't make much out of them. Looped NW-SE and building in strength, so maybe Pacific Northwest. Het disappeared at 1957, so maybe signed off/cut power/jumped back on frequency/whatever (JW-CO)
- 1380 UNID ?? - 1/24 1955 - With high school BKB tournament, possibly called "Great Plains" tournament: Washington vs Sterling. Heard next night with Sterling vs ???. Seems to loop SE. (JW-CO)
- 1510 UNID ?? - 2/15 1750 - Poor, with Gospel music and a mention of *playing your favourite gospel hits*. (VALDX)
- 1610 UNID ?? - 2/16 0745 - Poor, in a mess, with info on an un-named airport and its parking facilities. On west wire. (VALDX)
- 1610 UNID ?? - 2/16 0750 - Poor, with a woman talking about a park with a lake waterfall and I think ... icefields?? Possible 536 phone number. On west wire only. (VALDX)
- 1639.4 UNID ?? - 2/15 2258 - Very poor, with lots of light rock but no ID's. Did Green Acres pirate move down from 1639.9?? (VALDX)
- 1680 UNID ?? - 2/16 2300 - Very poor, with two men in SS doing a game pbp. Heard again 2/16 0708 with man and woman talking in SS and playing music. Mentions of *La Musical*. (VALDX)

DX AND EQUIPMENT TESTS

- 640 WBOW+ IN Terre Haute - 2/16 0030 - Poor, with possible trumpet music?? CIDs at 0035 and 0039 mixing with CHOG, the Cuban, KGVW, KFI and WMFN. NEW. (VALDX)
- WHLO+ OH Akron - 2/10 0113 - Noted one or two CIDs and TTs under strong KFI. Rough copy, but enough to put it in the logbook. OH #7. (JW-CO)
- 1070 KHMO+MO Hannibal - 2/17 0109 - Long string of Morse code IDs. Excellent conditions tonight, but surprisingly weak for 5 kW. New. (TRH-CA)

TIS & OTHER STUFF

- 530 WQO624 ND Devils Lake - 2/15 1645 - Poor-to-fair, with road and weather news for the North Dakota area. **Back to these calls.** Only used WQO624 briefly. (VALDX)
- 790 KNNB350 TX Ovilla - 2/18 all day - Good, with typical community info. [Ed.-TX]
- 1610 TIS IL Chicago - 2/15 1950 - Poor-to-fair, mixing with the Anchor Lake, Minnesota TIS, with info on the Eisenhower Expressway. (VALDX)
- 1610.3 TIS KS - 1/30 1942 - Kansas turnpike weather and information station. (JR-OK)
- 1620 WNWZ910 IL Bensenville - 2/15 2005 - Fair, with info and lots of phone numbers for Bensenville. (VALDX)
- 1630 WPGE863 IL Deerfield - 2/15 1920 - Fair-to-good, with info on the METRA rail system. This is a very distinctive TIS as you can here a pulsing tone and train whistles before or after each announcement. We could hear all three at the same time as they are nicely out of sync. At one point you could hear the tones from one the whistle from another and the announcements of the third. These became a pest as they were in almost all night and until about 0900 the next morning. On occasion, they fought with KXBT on the west wires. NEW. (VALDX)
- WPGE863 IL Mokena - 2/15 1920 - Fair-to-good, with info on the METRA rail system. This is a very distinctive TIS as you can here a pulsing tone and train whistles before or after each announcement. NEW. (VALDX)
- WPGE863 IL Schaumburg - 2/15 1920 - Fair-to-good, with info on the METRA rail system. This is a very distinctive TIS as you can here a pulsing tone and train whistles before or after each announcement. NEW. (VALDX)
- 1641.9 MIN MN Aitken - 2/16 0044 - Poor, with CID from this MEDFER. (VALDX)



MIDNIGHT TO 0800 HOURS ELT

- 560 KFOS CA San Francisco - 2/1 0058 - With CL ID and talk show. Weak with KLZ phased. New. (CB-CO)

- 770 CHQR AB Calgary - 1/25 0504 - With CBC News, Canadian weather, ID as *Sunshine Radio*, another ID at 0525 as *Calgary's Information Radio*, CHQR, 770. Mixing with KKOB. (CB-CO)
- 1000 KSTA TX Coleman - 1/19 0706 - In briefly with CL ID and into talk show. New. (CB-CO)
- CKBWt NS Bridgewater - 2/2 0702 - Weak, with deep fades. Mention of CBC Radio at 0717, *This is CBC Radio* heard clearly at 0719. Mixing with a very poor WMVP. I heard this guy about a year-and-a-half ago with a positive CL ID, but it was a couple of hours earlier in the morning. The only other Canadian listed on 1000 kHz is CFLP, which is listed as FF. (CB-CO)
- 1180 KYET AZ Williams - 1/30 0927 - Sign-on, then SSB. *The News Station*. Heard later at 0935 with weather, school lunch menu, headlines at 0938 (Navajo horses die of botulism). Very good signal. (JW-CO)
- WLDS IL Jacksonville - 2/2 0749 - With CL ID, several mentions of the Chicago area, EZL music. New. (CB-CO)
- 1200 KYOO MO Bolivar - 1/29 1017 - Ads, local weather, call ID, more ads. Fair-to-poor, with KFNW nulled and KBCO-1190 slop. Logged on Superadio II while still in bed, two hours past Missouri sunrise! Would not expect this from a 1000-watt station, but will take it for Missouri #46. Will seriously consider "sleeping in" as a new DX technique. (JW-CO)
- 1250 KWSU WA Pullman - 2/3 0007 - With CL ID and into NPR News. Promo for *Fresh Air* program. (CB-CO)
- 1310 CIWW ON Ottawa - 1/10 0110 - With CL ID, several references to Ottawa, ad for a mall in Ottawa. Heard phrase *Here in Ottawa*. In and out of the mud. Was trying for KEZM test, looped generally east to null out local pest KFKA. No dice on the test, but I'll gladly take this in its place! New. (CB-CO)
- 1380 WPHM MI Port Huron - 2/1 0732 - Fair, with WPHM ID and into 70s and 80s AC music, not EZL as per Log. (SA-MB)
- KOTA SD Rapid City - 2/1 0737 - Good, with ID as *Dependable Radio* 13-80 KOTA. Into 70s and 80s Adult Contemporary music. Not all talk as per the LOG. (SA-MB)
- 1420 KLTW AZ Sierra Vista - 12/31 0001 - With ID as 1420 KLTW. First time heard with new call. (CB-CO)
- KSTN CA Stockton - 1/1 0704 - With ID as 1420 KSTN. Open request line, several CL IDs. New. (CB-CO)
- 1430 KCOH TX Houston - 1/27 0745 - Call ID with gospel music. Weak signal. New here. (JR-OK)
- 1520 KMPG CA Hollister - 2/2 0859 - Sign-on in SS, then Mexican music to 0911. Ad for a Watsonville nightclub. Fair, with KOMA partly nulled and XEJBC fading. (JW-CO)
- 1570 KYCR MN Golden Valley - 12/19 0855 - With CL ID out of the mud. Upcoming program info. New. (CB-CO)
- 1590 KLIV CA San Jose - 2/3 0935 - With *KLIV News time* (in PST), and into CNN News. CL ID again at 0952. New. (CB-CO)

0800 TO 1600 HOURS ELT

- 550 CFJC BC Kamloops - 2/16 0847 - Fair, with Buffie Ste. Marie music, and weather. Under KFJR. NEW. (VALDX) [Buffie Ste. Marie "music"? Hi - Ed.]
- 610 CHNL BC Kamloops - 2/16 0838 - Good, with ad for Kamloops Blazers hockey. Into oldies. NEW. (VALDX)
- 630 CKOV BC Kelowna - 2/16 0844 - Good, with local weather and announcements, Dr. Laura promo, and ID as *The Okanagan News Authority* OV-63. NEW. (VALDX)
- 650 KMRZ WY Orchard Valley - 2/4 1055 - With ID as KMRZ, *Orchard Valley* and KIGN (FM) *Cheyenne*. AC format. Strong. New. (CB-CO)
- 930 KWOC MO Poplar Bluff - 2/2 0822 - With CL ID, C&W music: Donna Fargo C&W oldie *The Happiest Girl In The USA*. Have tried for this one for a long time! New. (CB-CO)
- 970 KDWG MT Billings - 2/7 1004 - With local ad, *The Cat* slogan and KCTR CLs, then C&W music. Fair in QRM. (JW-CO)
- 980 KUPI ID Ammon - 2/7 1038 - With Idaho Falls ads, local birthdays, *This Day In History* stuff, *AMA Radio News*. Fair in QRM. (JW-CO)

- KMBZ MO** Kansas City - 2/7 0900 - Poor, with TC, then ABC News. VID into weather. Lost to heavy QRM and fading. (TJ-SD)
- 1000 KLOH MN** Pipestone - 2/4 1000 - Strong, with CL ID, local PSAs (public school info), news on murder case in Boulder, Colorado, ad for marine equipment store in Pipestone. I was beginning to wonder when this regular was going to start fading down. Probably not until noon. (CB-CO)
- 1200 KYOO MO** Bolivar - 2/3 0904 - With *This is Big Country*, KYOO. C&W music format. In partial WOAI null. (CB-CO)
- 1270 KTFI ID** Twin Falls - 12/18 1000 - With ID as *KTFI, Twin Falls*. Historical event piece (*On this day in 1719, 1969 & 1982*, etc). Local gift shop ad, mention of Twin Falls, ad for outdoor equipment (ski and rock climbing gear). New. (CB-CO)
- 1350 KCKC CA** San Bernardino - 2/10 0914 - With traffic report, call ID. Fair under KGHF. (JW-CO)
- 1380 KCNW KS** Fairway - 1/27 0800 - News weather, religious talk. (JR-OK)
- WFCL WI** Clintonville - 2/2 1830 - Good, with local ads and adult standards music. Not "all talk" as per log. (SA-MB)
- 1440 KDIZ MN** Golden Valley - 2/3 0931 - With program notes; call letters mentioned a couple of times, then back to *Radio Disney* programming. Fair-to-poor in KRDX/KMAJ QRM. Ex: KQRS. (JW-CO)
- 1480 KPHX AZ** Phoenix - 2/3 0800 - With ID in EE as *This is KPHX, 1480 AM, Phoenix* and into SS programming. Fair-to-good on peaks. (CB-CO)
- 1500 KABR NM** Alamo - 2/10 0901 - Opening prayer, then sign-on announcement by female in accented EE. Announced power of one kilowatt, studios located on campus of Alamo ?? Community School, then into music. Fair, over KSTP. (JW-CO)
- 1520 KCGN SD** Sioux Falls - 2/2 1003 - With CL ID and REL program. In briefly with long, deep fades. In and out for a few minutes at a time. Must have taken the scenic route to get here. Finally a domestic other than KOMA on 1520!!! New. (CB-CO)
- 1616 KMOZ MO** Rolla - 2/1 0800 - Spur from 1590 transmission heard well until 1000. KMOZ was not heard on 1590. Also heard the previous evening on 1610 through 1650 kHz. Programming was Leeza Gibbons top hits show with ads for Rolla businesses. I had not heard KMOZ previous to this. (JR-OK)

1600 TO 2400 HOURS ELT

- 610 KILT TX** Houston - 2/9 1859 - Legal ID by female in heavy QRM. Very rough, but enough for a new one, making it Texas #134. (JW-CO)
- 740 KBOE IA** Oskaloosa - 2/15 1935 - Very strong, with lots of local ads for William Penn College, into basketball game. Sounded way too strong for 229 Watts. (VALDX)
- 790 KURM AR** Rogers - 1/26 1944 - With KURM ID and *Sports Radio 790*, KURM at 1945. Local highway construction advisory followed by *Bulldog* basketball game preview. Strong. (CB-CO)
- KSPD ID** Boise - 1/21 1959 - With KSPD, Boise and into EZL music. Fair on peaks. New. (CB-CO)
- 820 CHAM ON** Hamilton - 1/2 2054 - With REL program followed by *This is 820 Cham*. Good. (CB-CO)
- 850 KWOF IA** Waterloo - 2/15 1820 - Poor, with REL programming and a lady IDing as *KWOF, Your Friendship Station*. Under WAIT. NEW. Station # 2000 for Me!!!! (VALDX)
- 970 KBVR? MT** Billings - 1/29 1903 - With CL ID as KBVR(?) and slogan *Cat Country*. Had them as KDVG with same slogan, but don't recall seeing a call change for what I presume is the C&W station in Billings on 970. Looped in NW direction. New call? (CB-CO)
- WDAY ND** Fargo - 1/29 1859 - With *This is WDAY, Fargo-Morehead* with PSA (students to develop), mention of *WDAY Air Touch Cellular Network*. Good signal. (CB-CO)
- 1140 KZMQ WY** Greybull - 1/23 1834 - *You've got the best of the West - Country Superstation KZMQ*, then C&W music. Good signal. (JW-CO)
- 1180 KYET AZ** Williams - 12/18 1843 - With ID as *Right here on KYET*. REL news and programming. In briefly, then lost to KOIL. New. (CB-CO)
- 1210 WDAO OH** Dayton - 2/15 1728 - Fair, with Urban Contemporary music and WDAO IDs. (VALDX)

- 1220 CJRB MB** Boissevain - 1/2 2125 - With ID as *CJRB, Boissevain*. REL program on current differences between Christian and Islam practices. Mixing with CJOC. New. (CB-CO2)
- 1230 KISD AZ** Phoenix - 1/2 2007 - Out of the mud with CL ID and REL program. (CB-CO2)
- 1250 KHIL AZ** Willcox - 1/30 1900 - Area news, program note for Willcox Cowboys basketball broadcast on *Power 98.3 FM*. Good signal. (JW-CO)
- KEZQ AR** Little Rock - 2/9 2045 - NOS music, then female with call ID, then into an Ed Ames tune. Poor in QRM. Ex: KURB here. (JW-CO)
- KIKZ TX** Seminole - 2/9 2103 - Mexican music, call ID in SS. Mentioned phone number as 758-5878/9. Fair, with not much N-S QRM. Don't know if total format change or just a Sunday night SS program, as many stations have. (JW-CO)
- 1270 CHAT AB** Medicine Hat - 1/2 1822 - With ID as *new Country, 12-7 CHAT*. Local temperature at 3 degrees. TC, PSAs, C&W format. New. (CB-CO2)
- CHAT AB** Medicine Hat - 2/1 2044 - Pregame show, then play-by-play at 2050 of Medicine Hat Tigers vs Prince Albert Raiders hockey game. Fair in QRM. (JW-CO)
- 1280 KDYL UT** Salt Lake City - 1/2 2142 - With CL ID, NOS format. Under KRRF. New. (CB-CO2)
- 1330 WVHI? IN** Evansville - 1/25 1/25 2059 - During a KFH pause, heard ... *SO Evansville*. Not much to go on, but the "Evansville" was clear. Would be a new one. (JW-CO)
- WMNN MN** Minneapolis - 1/25 2114 - ... *WMNN ... never more than ten minutes away ... News Radio 1330*, then female announcer with sports update. Briefly fair in QRM. Their night pattern is NNW and not common here. (JW-CO)
- 1430 KBIL TX** Breckenridge - 1/28 2145 - Oldies with call ID. New here. (JR-OK)
- 1500 WAKE IN** Valparaiso - 2/15 1730 - Clear ID in a fade up under WILY. Not heard in years. (VALDX)
- WOLY MI** Battle Creek - 2/15 1725 - Fair, with light rock music and a clear WOLY ID. No sign of KSTP for about 15 minutes. NEW. (VALDX)
- 1530 KFBK CA** Sacramento - 1/28 2145 - Strong with deep fades. News and call ID. (JR-OK)
- 1580 KFDF AR** Van Buren - 1/28 1951 - Presumed, with girls basketball, Van Buren vs Russellville. Van Buren and Fort Smith ads. Fair-to-poor in QRM. (JW-CO)
- KOKB OK** Blackwell - 1/28 2024 - With high school basketball game, Blackwell vs ????. Call ID and ads at 2024. Fair-to-poor in QRM. (JW-CO)

GRAVEYARD DX UPDATE

* indicates North American record-holder

1340 kHz:

CFYK	NWT	Yellowknife	Esa Hänninen	Lemmenjoki	3163
			Morris Sorensen	God's Lake Narrows, MB	*898

DDXD-East

Deadlines are Tuesday.

Looks like a lot of silent stations trying to beat the FCC deadline by coming on the air, even with bad transmitters and antennae systems ...

Welcome back to Robin Christoff, with the first report in nearly three years from out Welland way ... and a report well worth waiting for, I might add. Hope to hear from you lots more, Robin!

STATION NEWS

- 650 WRPT MA** Ashland - 2/17 1400 - Talk America radio network multiple station IDs, then "World Web News Network" UPI news. (BC-NH)
- 930 WPAT NJ** Paterson - Their new address is 1396 Broad St., Clifton NJ 07013, phone (201) 777-9393. Now broadcasting in Korean 0000-1800 and Spanish 1800-2400. (JH-NJ)
- 1030 WNTL MD** Indian Head - 2/8 1730+ - // WINX-1600 Rockville MD and 94.3 FM Manassas VA; heard an ID 2/12 1100: "WNTL Indian Head is WINX." Oldies format. (JEK-MD)
- 1060 WJLT MA** Natick - 2/17 1500 - "Piercing the darkness, J-Light 1060 in stereo, WJLT Natick-Worcester-Boston" and contemporary Christian music. (BC-NH)

- + Back on the air with religious programming, "This is WJLT 1060 Natick-Worcester-Boston." (BF-MA)
- 1120 WKCE TN Maryville - 2/8 - Returned to the air on this date (wonder why?) with distorted audio, no talk, and GOS albums tracked in their entirety. Had been off since 1993. (SF-TN)
- 1160 WPVG? MD Funkstown - 2/8 1057+ - Silent station noted on the air // WARX-FM in Hagerstown. Only "Oldies 106.9" type slogans, no legal ID at 1100. Unlike the 1030 operation, was not noted 2/10+. Testing? Thought I remember reading in DXN some time ago the WPVG towers had been dismantled. (JEK-MD)
- 1170 WBRW NJ Bridgewater - 2/16 1030 - News, ID, sounded like regular schedule, so another one which planned to beat the February "death sentence" has resurfaced. As would be expected from their temporary power, antenna arrangements, signal was rather poor. (RJE-PA)
- 1200 WKOX MA Framingham - 2/17 1300 - ID in English, then "Esta es Radio Latina, mil dos cientos AM, Radio Latina la nuestra la emisora de 97" and news in Spanish. (BC-NH)
- 1270 WXYT MI Detroit - 2/3 - Adds "Imus in the Morning," which had been on crosstown WYST-97.1, per *Radio and Records* 2/7. (DP-HI)
- 1280 WADO NY New York - Now located in the same building as WPAT-930; using the same address and phone number as WPAT above. (JH-NJ)
- 1290 WATO TN Oak Ridge - 2/15 - Adds "Coast to Coast AM with Art Bell" per show today. (DP-HI)
- 1590 WERA NJ Plainfield - Now in Spanish 1600-1900 Saturdays and Sundays only. I inquired about WWRL-1600 buying them and taking them off the air (see AM Switch in no. 3), and they said they're still in the talking stage. (JH-NJ)

DX TESTS

- 640 WBOW IN Terre Haute - 2/16 0030-0100 - *Not heard*, Cuban very strong this morning. (RA-MA) *Heard* for the full 30 minutes, but very weak at times. Many, many code IDs and lots of trumpet music by Herb Alpert and the Tijuana Brass. (JL-OH)
- WHLO OH Akron - 2/10 0100-0130 - *Heard* fair mixing with WNNZ, WFNC, Cuban, with code IDs, voice IDs, varying tones, some music ... a good test. (RA-MA) *Heard* at mostly good level pvr WGST with EZL music, polkas, voice IDs, code IDs, test tones, and pulse tones. (SF-TN)
- 1070 KHMO MO Hannibal - 2/17 0100-0130 - *Heard* weak under CBA, CHOK with 4 sets of code IDs noted, nothing else, no voice or music. (RA-MA) *Heard* poor-nil in CBA, CHOK null with "KHMO" (- - - - -) in code noted under CHOK's oldies at 0108, 0121, and 0126. (MB-ON)
- 1450 WILM DE Wilmington - 1/26 - Prompt non-QSL says my tentative unID faint code at 0131 and 0159 wasn't WILM. I wasn't imagining what I heard. Did anyone else note this? (AR-ON) [CHUC? - DY]
- 1570 WYTI VA Rocky Mount - 2/1 0000-0030 - *Heard* poor over nothing in particular with "WYTI" (- - - - -) code IDs noted 0003 and 0016. (MB-ON) *Heard* with code changing in pitch every two minutes. Best during first half of test. Also heard voice IDs at 0021 and 0026 mentioning city of Rocky Mount, operating frequency and power output for day, night. (RKC-ON)
- 1600 KATZ MO St. Louis - 2/3 0200-0230 - *Heard* poor with tones heard under dominant pest WWRL's urban/soul music. No voice, code IDs noted. Unneeded. (MB-ON)

UNID and UNID HELP

- 1080 UNID - — - 2/15 1822 - One on One Sports poking through, occasionally readable in WTIC null. KRLD? (DY-NY)
- 1440 UNID - — - 2/12 0655 - With "Sports Radio 1440" ID. WWTM? WLPZ? Someone else? (RJE-PA) [These, or WRRO. - DY]
- 1470 UNID - — - 2/11 0640 - SS heard under WKAP, again same time on 2/13. (RJE-PA) [WMMW. - DY]
- 1540 UNID - — - 2/7 0650 - NASCAR MRN promo under KXEL, WDCD. This may have been WADK, also heard that morning, but more likely someone else. WIFM-NC? (RJE-PA)

WNBH 1340 AM • WCTK 98.1 FM

P.O. Box 3201, New Bedford, MA 02741

LOGGINGS: 0000-0800

- 630 CFCY PI Charlottetown - 2/1 0120-0125 - Song "Feed Jake" by Pirates of the Mississippi, promo "proud to be part of your community." Over WPRO, no sign of CHLT. The C&W music caught my ear, as I had never heard it on this frequency before. Coming in strong, and CHTN-720 like a local at the time. (BF-MA)
- 930 CFBC NB St. John - 1/27 0608 - Weak under WBEN, oldies into "it's 7:08 on Oldies 93, CFBC," then clobbered by WBEN ad. A rarity here. (RKC-ON)
- 1300 WAVZ CT New Haven - 2/12 0009 - Song "No Not Much" by The Four Lads into ID "WAVZ AM 1300," into more NOS (Benny Goodman tune), fair over WJFK and WERE. (RKC-ON)
- WMTN TN Morristown - 2/12 0045 - AC music from 0010 overpowering WJFK and weaker WERE, but no ID given until finally at 0045 "WMTN 1300 AM, Morristown, your talk-news station," into announcement "And this is WMTN Morristown, on the air for equipment checks at 12:45." Station gone after this. (RKC-ON)
- 1370 WVAX IL Lincoln - 2/5 0705 - Up briefly above mix with "WVAX news time is 5 after 6:00. Good morning, it's 29° in (land of?) Lincoln," then fade. (RKC-ON)
- WHEE VA Martinsville - 2/5 0706 - Weak under WSPD with "Good morning ... it's time now for a look ... WHEE news," lost completely to WSPD. (RKC-ON)
- 1420 WLIS CT Old Saybrook - 2/11 0655 - ID, weather, surprisingly strong over WCOJ. (RJE-PA)
- WLNA NY Peekskill - 2/7 0650 - Strong with PSA of some sort mentioning Peekskill and WLNA, into traffic update and "Good morning, Hudson Valley, I'm ... WLNA, it's 6:52 at WLNA." Soon lost to WHK and usual daytimer WACK. (RKC-ON)
- WWSR VT St. Albans - 2/7 0640 - Up over WHK briefly but clear ID: "AM 14-20 WWSR, we are your radio(?) station ..." (RKC-ON)
- 1570 WBUX PA Doylestown - 2/4 0730-0800 - Noted on the air with AP news, mentions that "this is a temporary broadcast" and they would go to all-news format starting in April. Numerous IDs as "WBUX 1570" and "The News Station," fair. (JH-NJ)
- 1580 WSRF FL Fort Lauderdale - 2/1 200-0205 - Under CBJ but very clearly // WINZ-940. Only fifth station heard from FL." (BF-MA)
- 1600 WMHG MI Muskegon - 2/3 0221 - Surfaced over WWRL and the KATZ DX test with ID as "Giving you more of what you're looking for, 1600 WMHG." Heard as WTRU in 1978. (MB-ON)

LOGGINGS: 0800-1600

- 600 WKLW KY Paintsville - 2/7 0801 - Fair in WMT null with Elvis' "Viva Las Vegas," ID as "WKLW Paintsville," news. (MB-IN)
- 1280 WJPY DE Seaford - 1/29 1558 - Up nicely with GOS/UC music into "WJDY Salisbury and (or AM?) 1280 WJPY Seaford..." Fade, then back up with GOS briefly before lost to WKST, CFYZ, and WHVR mix. (RKC-ON)
- 1290 WKLJ WI Sparta - 2/10 1548-1558 - Assumed station (no formal ID heard) with CNN Headline news, into local news break mentioning missing snowmobiler in Sawyer County, talk of gasoline prices with the Wisconsin AAA, and finally a weak "K 12-90 radio" ID, then back to CNN news. Next break at 1558, heard mention of Monroe County and to find out what's going on in Sparta, "tune into Monroe County Perspective on K-12-90," into ads. (RKC-ON)



LOGGINGS: 1600-2400

- 680 WXKN KY Newburg - 2/11 2300 - The Jim Bohannon show, ID, weather forecast, mention of Kentucky, CNN Radio. (WM-MD)
- 830 WKTX OH Cortland - 2/8 1745-1800 - Religious format, legal ID to sign-off at 1800 with SSB, fair, new. (JH-NJ)
- 840 WKDI MD Denton - 2/12 1615-1630 - Black preacher, promo for local church events, "The Ministry Station," ID at 1630. (WM-MD)
- 850 WYLF NY Penn Yan - 2/8 1845-1905 - NOS, IDs as "Music you remember" and at 1900 "AM 850 WYLF Penn Yan - ? - Geneva," into ABC news. Way over WRBZ most of the time, new. (JH-NJ)
- 1250 WTMA SC Charleston - 1/28 1700 - "This is the number one talk radio station of South Carolina," into singing ID "WTMA, Charleston," another ID "Talk radio 12-50

- WTMA," then Charleston local news. Tough in partial null of powerhouse CHWO. (RKC-ON)
- 1290 WJBR DE Wilmington - 2/10 1720 - Assumed with ad for Duvonice? (Tavares?) chocolates in Wilmington. Mentioned locations of 800 Market St. in downtown Wilmington and in Talleyville on Concord Pike. Checks out on map. (RKC-ON) [Call IDs are infrequent on this one. - DY]
- WCHY GA Savannah - 2/10 1747 - C&W, into "Real Country music keeps you rolling home, 24 hours a day, AM 12-90 WCHY," back to C&W. (RKC-ON)
- 1310 WDOC KY Prestonsburg - 1/30 1725 - Up through mess, female announcer giving weather forecast into "... you're listening to WDOC, Hot Country 13-10," into C&W. (RKC-ON)
- WTIK NC Durham - 1/30 1800 - REL program into "Celebrating 58 years of radio, AM 13-10 WTIK Durham-Raleigh-Chapel Hill, the Christian talk of the Triangle," excellent above mix. (RKC-ON)
- WDOD TN Chattanooga - 1/30 1730 - "Southeast Tennessee's easy listening AM 13-10 WDOD ... armed(?) for company," into Barry Manilow's "Mandy." (RKC-ON)
- 1390 WEED NC Rocky Mount - 2/11 1821 - Up through mix and pest WDCW with "This is WEED ..." into ad for Q&S Oil Company "10 minutes from (??) 301 South of Rocky Mount at the (??) Street line," gave phone number of 446-2971 and again mentioned Route 301 South. (RKC-ON)
- 1420 WVJS KY Owensboro - 2/6 1734 - AP network news into "From WVJS news, I'm Jim Hall," faded quickly but back up at 1754 with "Here is the weather from ... WJVS," into weather, then another WJVS ID. (RKC-ON)
- WKCW VA Warrenton - 2/6 1721 - "... WKCW, it's 5:21. Tom Casey on your home drive with you this afternoon," into PSA and "WKCW cares about Fauquier County" (pronounced faux-key-air). (RKC-ON)
- 1480 WABB AL Mobile - 2/10 2200 - ID, mention of Mobile, NBC hourly news heard. (WM-MD)
- 1540 WOGN NC Charlotte - 2/12 1800 - Ending syndicated REL program, ID, brief music, starting new syndicated program, then power, pattern change. Major signal drop, but still readable afterwards. I must have passed this a dozen times before, thinking it was either WDCD or WREJ. (RJE-PA)
- WTXY NC Whiteville - 2/12 1800 - With complete sign-off announcement over, under WOGN after the latter's power and pattern change. (RJE-PA)
- 1570 WTLK NC Taylorsville - 1/31 2304 - Giving weather forecast (cloudy, high mid 50's, low mid 30's), then "... WTLK weather center. Have yourself a good evening, we're glad to have you with us," into C&W. Good over rest of mess on frequency. (RKC-ON)
- WSWV VA Pennington Gap - 1/31 2207 - ID "WSWV AM and FM, continuous soft hits." Another ID at 2224 with "WSWV, the twin W" and weather for Pennington Gap. Lots of FM 105.5 IDs heard later as station became dominant through time of WYTI test. Usual WANR, WPTW, WQTW, WBUG et al very quiet tonight. (RKC-ON)
- WKBH WI Holman - 1/31 2147 - While checking out frequency before WYTI DX test, station came up nicely (but briefly) in mess with "You're on the ticket, AM 15-70 WKBH," heard mentions of Holman and Onaloska in ad that followed. (RKC-ON)

REPORTERS

RA-MA	Ray Arruda	Acushnet MA - R8A, SW8, Loops, & LW
MB-ON	Mike Brooker	Toronto ON - RF-2200, RFB-45
MB-IN	Mark Burns	Terre Haute IN - R8, 80' LW, Kiwa loop
RKC-ON	Robin Christoff	Welland ON - R8A, Kiwa loop, 100' LW, MFJ-956 tuner
BC-NH	Bruce Conti	Nashua NH - Local news
RJE-PA	Russ Edmunds	Blue Bell PA - Nissan auto radio, whip
BF-MA	Bill Fortier	Worcester MA - Superadio barefoot
SF-TN	Steve Francis	Alcoa TN - TRF
JH-NJ	John Hanz	Old Bridge NJ - Realistic 12-650A
JEK-MD	Joe Kureth	Uniontown MD - DX-375, Superadio III, LW
JL-OH	Jim Leder	Cincinnati OH -
WM-MD	William McGuire	Cheverly MD - DX-380
DP-HI	Dale Park	Honolulu HI - Station news
AR-ON	Andy Rugg	Cornwall ON - HQ180, Radio West loop
DY-NY	David Yocis	South Nyack NY - Icom R71A, Kiwa loop

KiRT AM 1580

International Jim Renfrew JimRenfrew@delphi.com 61 Wilcox Street Rochester, NY 14607-3832

Foreign DX Catches. Times are UTC; for ELT, subtract 5 hrs.

I'm a little discouraged by conditions with little evidence of TA's and no CA/SA openings of note. I just got my 1996 IRCA *Mexican Log*, but it's only going to gather dust if I don't hear DX! I've actually been spending more time on shortwave. This is not the capitulation that it seems, because it eventually always pays to be on top of shortwave stuff for IDing medium wave DX. Right now I'm listening to a great music program on Zambia 4910 kHz, and the announcer just gave an ID in English!

Jim

TRANS-ATLANTIC DX

- 153 ALGERIA ENRS Bechar, FEB 16 0010 - Poor to fair signals with AA chanting. Best LW signal. [DX-MB]
- 162 FRANCE RFI Allouis, FEB 16 0005 - Poor signal with music program [DX-MB]
- 198 ENGLAND BBC Droitwich, FEB 16 0015 - Very poor signals with bits of talk. [DX-MB]
- 549 ALGERIA Les Trembles FEB 9 0300 - Good; time pips, woman in Arabic, then string music, over unID Koranic chants. [Conti-NH]
- 711 WESTERN SAHARA, A network, Laayoune FEB 9 0120 - Fair; Arabic music // 207. [Conti-NH]
- 765 SENEGAL, RTS Dakar FEB 16 0750 - Dissertation in French, distorted audio, briefly huge signal, faded away before 0800. [Conti-NH]
- 819 MOROCCO, A network, Rabat FEB 9 0025 - Fair; talk in Arabic and music // 207, over Koranic chants assumed to be from Egypt. [Conti-NH]
- 819 ITALY RAI Radiouno, Trieste, FEB 9 2051-2142 - Pop music, usually alternating an oldie in English and an Italian song, with few (Italian) announcements, one "Radiouno" noted but unequivocal parallels with 1332 and 6060; SIO 222 mostly beneath the two AA stations [Burnell-NF].
- 891 ALGERIA Alger FEB 9 0350 - Fair; Arabic music // 549. [Conti-NH]
- 918 SPAIN R.Intercontinental, Madrid FEB 9 0405 - Fair; techno pop/disco music including Fugees "Killing Me Softly". [Conti-NH]
- 1044 SPAIN, SER synchros, FEB 9 0510 - Fair; telephone talk // 1008. [Conti-NH]
- 1053 MOROCCO, A network, Tanger FEB 9 0520 - Good; Arabic music // 612. [Conti-NH]
- 1521 SAUDI ARABIA BSKSA Duba, FEB 8 2228-2300 - At good level with AA vocal music and man in AA // 9870 and 9555 until sign-off at 2300. No problem from domestics on 1520, normally loud WWKB seemed to be off at the time. [DeLorenzo-MA]
- 1611 VATICAN CITY R. Vaticana, FEB 9 0535-0610 - Poor to fair with man in II (?) and frequent IS between items. Signal peaked 0604-0610 and then faded, probably because of sunrise at transmitter. [DeLorenzo-MA]

PAN-AMERICAN DX

- 530 TURKS AND CAICOS IS RVCI, FEB 16 - 0050 Good to strong dominating the frequency with Spanish religious talk. [DX-MB]
- 660 COLOMBIA R.Auténtica, Cali FEB 9 0140 - Tentative; preaching in Spanish, brief strong fade-ins, otherwise well under WFAN-New York. [Conti-NH]
- 670 DOMINICAN REPUBLIC R.Dial, San Pedro de Macoris FEB 16 0715 - Good; "24! 24! 24 horas en el aire, Radio Dial!" and romantic ballads. [Conti-NH]
- 740 CUBA R.Progreso FEB 16 0620 - Good; "... programa ritmo, Radio Progreso" and salsa music. [Conti-NH]
- 760 CUBA R.Reloj FEB 16 0625 - Poor; weak audio but RR code IDs heard clearly through the din with WJR-Detroit nulled. [Conti-NH]
- 770 COLOMBIA HJXX Bogotá, FEB 16 0035 - Poor to fair signals with talk about Colombia. [DX-MB]
- 780 VENEZUELA R.Coro, Coro FEB 16 0655 - Good; jingle with UTC-4 time check, salsa and folk music. [Conti-NH]
- 800 unID, FEB 16 0810 - Fair; religion in Portuguese and inspirational music, TWR-Netherlands Antillies and WCCM-Lawrence are likely candidates. [Conti-NH]
- 810 COLOMBIA, CARACOL Bogotá FEB 16 0815 - Good; telephone talk, mention of network stations in Argentina, Miami, and New York. [Conti-NH]
- 940 MEXICO, XEQ Mexico FEB 9 0455 - Good; end of Mexican fútbol game, America vs. Puebla, then classic rock hits by Janis Joplin, SRV, Allman Bros. [Conti-NH]

- 1010 CUBA R Reloj (site?), FEB 20 0345-0359 - Fair-poor under weak local WQYK and XEHL, usual time sounders and man with news. New frequency. [Krueger-FL]
 1020 TURKS AND CAICOS IS CCR, FEB 16 0055 - Booming in making KDKA almost uncopiable with Super Power 1020 Caribbean Christian radio ID. [DX-MB]
 1610 ANGUILLA CARIBBEAN BEACON The Valley, FEB 16 0110 - Poor signals in a mess of TIS's with gospel music program. [DX-MB]
 1680 UNID, FEB 16 0400 and 1205 - Both times in Spanish. 0400 had two men doing a play-by-play of a game while the 1215 was a man and a woman doing a music program. [DX-MB]
 1685 COLOMBIA MER, Mercaderes, FEB 16 0029 - Fair with beacon signing MER then a space and E. [DX-MB]

TRANS-PACIFIC DX

- 702 AUSTRALIA 2BL Sydney, FEB 16 1312 - Poor signals with music program. [DX-MB]
 1206 UNID, FEB 16 1322 - Very poor with bits of music [DX-MB]
 1638 AUSTRALIA Lebanon Radio Australia, Sydney, FEB 16 1330 - Very poor with Arabic music. [DX-MB]

STATION NEWS

UNITED KINGDOM: ON FEB 11 Great Yorkshire Gold ceased broadcasting. The last record played was Roy Orbison's "It's over", played by Al Dupres, who was the voice that launched the station as Viking Gold. The station, broadcast in Bradford, Sheffield and Hull in various guises since 1989, has been closed to make way for a new station, launching at 8am tomorrow morning, called The Big Easy: Magic AM. Magic will play non-stop easy favourites, with less commercials, for today's thirtysomethings. Magic 828 in Leeds, Magic AM in Sheffield, and Magic 1161 in Hull are three separate stations. [James Cridland, Magic AM webmaster]

USA: 670 WWFE, Miami (presumed), 0320-0340/0359-0401 on FEB 20. Tune-in to Brazilian PP male evangelist nonstop, mostly fair under R. Rebelde. 0334-0338 ads, one with reference to "Hialeah". Presumably WWFE (WRHC's sister SP station). Brief recheck 0359-0401 with definite SS man, no clear ID pulled. Portuguese was an odd one to stumble upon, presumably running non-SS blocks (this was a local Wednesday). [Krueger-FL]

CONTRIBUTORS

- @Shawn Axelrod and Wayne McRae, DXing from Valhalla Beach MB; 2 - ICOM ICR-70 with PLAM board and filter mods, 8 beverages going south west and east (600-2200 feet) [saxelrod@mb.sympatico.ca]
 @Jean Burnell, St. John's NF; Drake R8A, 1-meter loop (jburnell@plato.ucs.mun.ca)
 @Bruce Conti, Nashua, NH; Lowe HF-225 Europa, MWDX-5, 30-m south sloper, 30-m noise-reduced east sloper. [baconti@aol.com] [bc@lexicon.com]
 Marc DeLorenzo, Auburn MA; JRC NRD-525, Quantum Loop.
 @Terry L. Krueger, Clearwater FL; NRD-535, HQ-180A, Grundig YB-400, ICF-2002, Scotka Loop, 2 x dipoles [via Tocobaga DA #21] [tocobagadx@earthlink.net]

NRC IDXX 64-20 "DX Files" supplement

DX FILES: IRN LIST

From: paulorm@es.co.nz (Paul Ormandy)

Attn Gray-Liners:

I have been e-mailing Gene "Geno" Davis Christianson, Operations Director for the Interstate Radio Network and as requested, he has sent me a list of current IRN stations:

- 580 WKTY LaCrosse WI
 590 WJMS Ironwood MI
 600 KSJB Jamestown ND
 650 WSM Nashville TN*
 660 KTNN Window Rock AZ*
 730 WFMW Madisonville KY
 860 KKOW Pittsburgh KS*
 1170 WVVV Wheeling WV
 1210 KGYN Guymon OK*
 1240 WLAG Roanoke AL
 1400 WRDB Reedsburg WI
 1600 KYGO Denver CO

The stations marked with an * are regularly heard here in New Zealand.



L.R.H. 200 RADIO CHAJARI

VIDEO CABLE VISION - CANAL 4 - TV COLOR

RADIO DIFUSORA CHAJARI S.R.L.

DX FILES: NEW 1680 TIS STATION

Greetings DX friends, Last night (2/20) from 2251-2300 EST, I heard a new TIS on 1680 in Texas. A man repeated the following announcement on a tape loop every one minutes, ten seconds: Dallas-Fort Worth International Airport, this is WQO767, 1680-AM." It was also in at 0750 on 2/21. Judging from the strength of the signal, I would say the power exceeds the low wattage we usually find for TIS stations, which I believe is around 10 watts. 73, Larry Godwin, Missoula, Montana

Broadcaster's hopes rise with tower

Station aims to go on air by Feb. 8 in Somerville

Newark Star-Ledger
-via Jeff Ross

By Eleanor Barrett

It won't be part of Somerville's downtown revitalization scheme, but WBRW radio will be back on the air on Feb. 8.

Branchburg residents Dan and Sarah Lohse watched a crane operator erect the AM station's 135-foot tower on a muddy Bridgewater lot yesterday.

In October, Lohse received approval from Bridgewater to build the radio tower in the Finnerde section on part of a 37-acre lot owned by entrepreneur Joe Horner.

A month earlier, he had stood somewhat reluctantly before Somerville's governing body as part of a tower builder's scheme to erect a 250-foot tower on a 3-acre tract of vacant borough land.

That plan was not what the professional radio engineer had in mind when he began to make inquiries to Somerville in 1993, soon after he and his partner, John Carriolo, purchased the license and assets of the defunct AM station.

Originally, the tower was to be used exclusively by WBRW, a daytime-only radio station that had broadcast on the Bridgewater/Somerville border for 20 years before financial problems forced it to sign off in 1990.

Along with the new sidewalk pavers and wrought iron planters, Somerville business leaders hoped radio station WBRW might have lent the county seat an added flair as it broadcast live from a storefront studio along Main Street.

With Lohse's proposal stalled, tower builder Network Management Inc., based in Doylestown, Pa., came into the picture, with a deal connected to Somerset County's effort to win approval of a tower for its emergency communications system on the Second Watchung Ridge in Bridgewater.

At a September council meeting, Borough Attorney Phillips Heatcote Jr. questioned that plan, and the Somerville council voted to pay a consultant \$3,000 to investigate the best use of the land. The report has yet to be submitted, Mayor David Holiad said yesterday.

Lohse soon after wrote the mayor and council announcing his withdrawal. He said he was just about to give up several days later, when Horner called to confirm that land would be available for a radio tower.



A welder inspects a 135-foot radio tower being installed in Bridgewater so a broadcaster can put WBRW on the air.

Lohse's reason for dropping the Somerville plan had a lot to do with time, he said.

"We wanted to take the path offering the least resistance. Debating is not as important as getting the station on the air," he said.

The hard part behind him, Lohse yesterday said he is racing to meet an FCC deadline set last year, requiring him to have WBRW up and running by Feb. 8. The station will operate out of a trailer next to the tower until it moves to its permanent home in a building on the site that Horner is now renovating.

"I'll feel happy when we meet the deadline. This is Dan's dream and he's worked on this for many, many years. I will do whatever I can to

make it really work for him," said his wife, Sarah.

Lohse's father-in-law, Bill Watts, shot photographs of the tower-raising yesterday, and said he was confident all will fall into place. He gave a wink and a smile as Lohse recounted events leading up to this day.

"A lot can happen in one day," he said.

Formats

Tony Fitzherbert akfrail@aol.com
356 Jackman Avenue
Fairfield, CT 06430-1728

Changes in programming status; reported by listeners

Locally, John Hanz writes that WADO-1280, New York City, has gone to an all Spanish talk format. He also notes that WJLK-1310, Asbury Park, NJ, has been scooped up by the New Jersey Nassau Broadcasting Partners, who have purchased 14 other Garden State AM and FM stations. WJLK is now WADB, and has dropped its country music format for adult standards. Other Nassau AM stations are WOBM-1160, Toms River, now news and oldies, WVPO-840, Stroudsburg, adult contemporary, WTTM-920, Trenton, news, sports, and talk, WHWH-1350, full service news and information, and WNNJ-1360, Newton, with an oldies format.

In Fairfield County, CT., WNLK-1350, Norwalk, WSTC-1400, Stamford, and WINE-940, Brookfield, are all simulcasting as "Fairfield County News Radio", with long news blocks during drive times, talk at other times, and home shopping on Sundays! And over in New Haven County, WQUN-1220 is now on the air with the satellite-fed Music of Your Life format, ID'ing as "AM 1220, a service of Quinnipiac College". A few miles away finds WNEZ-910, New Britain airing romantic Spanish music!

Perry Crabhill of Winchester, VA writes that WWTL-700, Walkersville, MD, has dropped its religion and country music format for an all Arabic format. The programming is supplied by the Arab Network of America, headquartered in Washington, and the Metropolitan Broadcasting Corporation, in London. And WBPS-890, Dedham, MA., now formats all news in French during AM drive, as noted in the Boston Globe. The rest of the broadcast day is given to brokered ethnic programming and some sports talk at night.

Here is our column, from the pages of *M Street Journal*. Interestingly, the hottest format change is to satellite - fed sports talk.

540 WDMV MD Pocomoke
 550 KUZZ CA Bakersfield
 550 KFRM KS Salina
 550 KTRS MO St. Louis
 550 CHNO ON Sudbury
 550 WJMW PA Bloomburg
 550 WPNW RI Pawtucket
 570 WNAX SC Yankton
 580 CKAP ON Kapuskasing
 590 KCSJ CO Pueblo
 590 WDIZ FL Panama City
 590 WLVA VA Lynchburg
 590 WROW NY Albany
 600 CKAT ON North Bay
 620 WTMT KY Louisville
 630 WDGY MN St. Paul
 640 WHOF FL Wildwood
 680 KKGR MT East Helena
 700 WGZS AL Dothan
 730 KBSU ID Boise
 750 KFQD AK Anchorage
 750 KBNN MO Lebanon
 800 WJAT GA Swainsboro
 810 WCTA TN Alamo
 820 WGGM VA Chester
 860 KMVP AZ Phoenix

860 KARS NM Belen
 880 KTMT OR Phoenix
 900 WMOP FL Ocala
 900 WIAM NC Williamstown
 910 WEPG TN South Pittsburg
 910 KXEB TX Sherman
 920 WPTX MD Lexington Park

- Country // WBEY.
 - ABC Real Country Music // FM.
 - Farm information and country music.
 - Was KSD, news and talk.
 - Pelmorex Oldies.
 - JSN Adult Standards.
 - Business news and talk.
 - Full service and One on One Sports.
 - Pelmorex Country Music.
 - Talk and Prime Sports.
 - ABC Adult Standards.
 - WW-I Adult Standards // WLQE-FM.
 - Talk and sports.
 - Country music.
 - One on One Sports.
 - JSN Oldies.
 - Religion, Reach Southern Gospel.
 - Classic country.
 - Willis Black Gospel.
 - Jazz and Spanish variety.
 - AP News and talk.
 - BNN Business.
 - Country music // FM, "U-92".
 - Country music.
 - Contemporary Christian.
 - Adult standards // KKL, but sports format planned to debut in the spring.
 - New Mexican artists. (Are these new artists from Mexico, or residents of New Mexico....TF).
 - Sports with three sports networks.
 - One on One Sports.
 - BBN Religion.
 - Oldies.
 - All Beatles // KTCY.
 - All talk.

920 WNMI OH Columbus
 930 WYUS DE Milford
 930 WMGR GA Bainbridge
 930 WAUR IL Sandwich
 930 KDET TX Center
 940 KFRE CA Fresno
 940 KXTX IA Des Moines
 940 WKYK NC Burnsville
 970 WVOJ FL Jacksonville
 970 WZAN ME Portland
 980 KEYQ CA Fresno
 980 KEGE MN Richford
 980 WNBI WI Park Falls
 990 WCMF NY Rochester

990 KRKT OR Albany
 990 KWFT TX Wichita Falls
 1010 WMOX MS Meridian
 1040 WMTX FL Pinellas Park
 1050 WWGP NC Sanford
 1070 WHYZ SC San Souci
 1070 WTSO WI Madison
 1080 WSSI MS Carthage
 1100 WHLI NY Hempstead
 1130 WCLW NC Eden
 1130 KTMR TX Edna
 1150 KDEF NM Albuquerque
 1170 WXRPA AL Hanceville
 1170 WKFL FL Bushnell
 1190 WOWO IN Fort Wayne
 1190 WHMT TN Humboldt
 1190 KOOO TX Dallas
 1190 WHYS VA Bluefoeld
 1190 WMAD WI Sun Prairie
 1200 WKOX MA Framingham

1210 KONY UT Washington
 1230 WGGG FL Gainesville
 1230 WKIM GA Augusta
 1230 WCBT NC Roanoke Rapids
 1230 WCWA OH Toledo
 1240 WEBJ AL Brewton
 1240 KASO LA Minden
 1240 KANE LA New Iberia
 1240 KRAL WY Rawlins
 1250 KBSZ AZ Wickenburg
 1250 WDAE FL Tampa
 1250 KGDD TX Paris
 1260 WIBV IL Belleville
 1270 KXBX CA Lake Port
 1270 WNOG FL Naples
 1270 WWCA IN Gary
 1280 WGTX FL De Funiak Springs
 1290 KAZA CA Gilroy
 1290 WCCC CT Hartford
 1290 CJBK ON London
 1310 KBOK AR Malvern
 1310 KDIA CA Oakland
 1310 KFSB MO Joplin
 1310 KNOX ND Grand Forks
 1310 WXMC NJ Parsippany
 1310 WDKD SC Kingstree
 1320 WTKZ PA Allentown

- WW-I Adult Standards.
 - Tejano.
 - ABC Adult Standards.
 - CSN Children's programming.
 - ABC Real Country Music.
 - Talk "Hot Talk".
 - Talk.
 - WW-I Country Music.
 - Sports and talk.
 - All talk, four networks.
 - Spanish religion // KMRO.
 - Christian talk.
 - ABC Oldies.
 - Rock // FM, the station will be donated to St. John's Fisher College.
 - Classic country.
 - MGS Contemporary Christian.
 - Talk and Prime Sports.
 - FAN Sports "Score".
 - ABC Country Music.
 - ABC Urban Adult Contemporary.
 - WW-I Adult Standards.
 - Prime Sports.
 - JSN Adult Standards.
 - WW-I Adult Standards.
 - Spanish contemporary Christian // KTNR.
 - All sports.
 - Classic country music.
 - Prime Sports.
 - All news and talk.
 - One on One Sports.
 - All talk.
 - Prime Sports.
 - Religion.
 - News, and talk during drive times, Creole and Spanish from 9:00am to 5:00pm and weekends.
 - ABC Oldies.
 - Sports // WMOP.
 - ABC Urban Gold.
 - Prime Sports.
 - Adult standards.
 - Oldies.
 - Adult contemporary // FM.
 - WW-I Oldies.
 - JSN Country Music // FM.
 - WW-I Oldies.
 - Sports "Sports Animal".
 - Prime Sports.
 - All talk.
 - ABC Adult Standards.
 - News and talk.
 - Back on the air with black gospel.
 - Talk.
 - Spanish oldies.
 - Rock // FM.
 - Oldies, talk, sports.
 - Classic country music.
 - R and B oldies.
 - Sky Contemporary Christian.
 - News, talk, agricultural information.
 - Spanish contemporary.
 - ABC Real Country Music.
 - Sports from three networks, "Sports 1320".

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1320	KGDC	WA Walla Walla	- Religion.
1330	KENU	WA Enumclaw	- Alternative // KGRG.
1340	KCBL	CA Fresno	- All sports, four networks.
1340	WDSR	FL Lake City	- Prime Sports.
1340	WNBH	MA New Bedford	- ABC Real Country.
1340	KTSN	NV Elko	- Talk and sports.
1340	KKAM	TX Lubbock	- Sports.
1360	KBUY	NM Ruidoso	- WW-I Adult Standards.
1370	KKSJ	CA San Jose	- ABC Adult Standards.
1370	WAXE	FL Vero Beach	- Bloomberg News.
1370	WABD	KY Fort Campbell	- One on One Sports.
1380	KRNN	AR North Little Rock	- AP News.
1380	WKDQ	MO St. Louis	- Country music // WKKK.
1380	WABH	NY Bath	- WW-I Oldies.
1380	KQKD	SD Redford	- Country music // KGIM.
1390	KAMO	AR Rogers	- Talk, regional Mexican.
1390	KCRC	OK Enid	- Talk.
1390	WJMW	PA Bloomsburg	- JSN Oldies.
1400	KELD	AR El Dorado	- Reach Southern Gospel.
1400	WBAT	IN Marion	- Oldies.
1400	WRCC	MI Battle Creek	- ABC Adult Standards.
1400	KRSC	WA Othello	- Contemporary Christian, Spanish, Prime Sports.
1410	WPCC	SC Clinton	- Prime Sports.
1410	WPOP	CT Hartford	- One on One Sports.
1420	WBRD	FL Palmetto	- Reach Southern Gospel.
1430	CKCY	ON Toronto	- Ethnic, mostly Chinese.
1430	WNWZ	TN Germantown	- CSN Childrens programming.
1440	WGVF	SC Greenville	- Reach Southern Gospel.
1430	WNWZ	TN Germantown	- CSN Childrens programming.
1430	WMAK	TN Madison	- Back on air with adult standards.
1450	KEZJ	ID Twin Falls	- Jazz and sports // KBSU.
1450	WNBY	MI Newberry	- Talk.
1460	WFMH	AL Cullman	- Reach Southern Gospel.
1470	WTOE	NC Spruce Pine	- WW-I Adult Standards.
1470	WTKO	NY Ithaca	- Sports.
1470	WLQR	OH Toledo	- ABC Urban Gold.
1480	KWIZ	CA Santa Ana	- Brokered ethnic.
1480	KRRU	CO Pueblo	- Bloomberg Business // KXRE.
1480	KLVL	TX Pasadena	- Brokered ethnic.
1480	KRAE	WY Cheyenne	- Prime Sports and oldies.
1490	KXRE	CO Manitou Springs	- Bloomberg Business.
1490	KBAB	IA Indianola	- JSN Adult Standards.
1490	KJIN	LA Houma	- Black gospel.
1500	WGEN	IL Geneseo	- Adult contemporary // FM.
1510	KVCI	TX Mineola	- Country music.
1520	WQWQ	MI Muskegon Heights	- Contemporary Christian.
1530	WCEG	MA Middleborough	- Massachusetts Radio Reading Service (probably for the visually-impaired - TF).
1540	KXMG	CA Los Angeles	- Spanish oldies, mostly from the 1970's.
1540	WBIN	TX ?	- Reach Southern Gospel.
1570	WTWB	FL Auburndale	- Reach Southern Gospel.
1570	WXLN	IN New Auburn	- Reach Southern Gospel.
1590	KMOZ	MO Rolla	- Adult Contemporary // FM.
1590	KIRS	NV Sun Valley	- All Catholic.
1600	WQCQ	DE Dover	- Ex-WKEN, now 1970's oldies.
1600	WSNR	KY Hartford	- Prime Sports.
1600	KATZ	MO St. Louis	- Blues and talk.

Well this is all that I have now. Do send your area radio format changes in to your formats column.....the above has brought "Narrowcasting" to new extremes! You may use either the U.S. Postal Service, or my E-Mail box, Akfrain@aol.com. 73's

Confirmed Ken MacHarg kmacharg@hcjb.org.ec

DX'er

**HCJB - Box 39800 - Colorado Springs, CO 80949, or
HCJB - Box 17-17-691 - Quito, Ecuador (.5 oz.: 50¢)**

Your successes in obtaining QSL's and other station items

Here we go again with another good list of verifications in from club members:

NORTH AMERICA

CANADA

ALBERTA, , 960, Calgary, f/d letter in 3 weeks. V/s Robin Hildebrand, Office Manager. (Rolph--NZ)
BRITISH COLUMBIA, KFUM, 1410, Vancouver, N/d "our report was correct" letter in 54 days plus program guide. V/s Edie Jarvis, Receptionist. (Heinen--CO)
BRITISH COLUMBIA, CJDC, 890, Dawson Creek f/d letter and sticker in 15 days. V/s Glen Foisy, CE. (Heinen--CO)
ONTARIO, CIGM, 790, Sudbury, verie letter, map and stickers in 65 days. V/s Scott Sloan, Dir. Eng. (Pote--IN)
ONTARIO, CIGM, 790, Sudbury, p/d letter, sticker and map for IRCA test. V/s Scott Sloan, CE. (Reiser--IL)
ONTARIO, CJBC, 800, Toronto, QSL card in 60 days. V/s Dean Bellavese. (Trelford--JA)

USA

ALASKA, KJNP, 1170, North Pole, f/d huge folder plus letter, stickers, calendar, newsletters and tons of information in two months. Verification was for reception received about 100 yards from the tower while we were guests of KJNP in September. V/s Don Nelson, President. (MacHarg--EC)
ARKANSAS, KWXL, 670, Glenwood, p/d letter with coverage map in 65 days after third follow-up. V/s Tom Nichols, Pres. (Heinen--CO)
CALIFORNIA, KRDU, 1130, Dinuba, letter in 105 days. V/s David Hofer, Pres. Also received letter from Richard Dahquist, CE. (Rolph--NZ)
CALIFORNIA, KXBT, 1630, Vallejo, personal hand-written confirmation with bumper sticker and coverage map. V/s Ralph Jones. (Kureth--MD)
COLORADO, KBZS, 620, Grand Junction, f/d letter in 5 days. V/s Ken Pilling, Eng. (Wilkins--CO)
CONNECTICUT, WLIS, 1420, Old Saybrook, verification letter, Whalers schedule, bumper sticker, coverage map, station info in 7 days. V/s Todd Young. (Kureth--MD)
FLORIDA, WMEL, 920, Melbourne, note on coverage map in 41 days. V/s John E. Harper, Owner, Pres. (Trelford--JA)
FLORIDA, WZAZ, 1400, Jacksonville, letter and reply indicating it was not their station! V/s Phil Tuck, CE. (Trelford--JA)
GEORGIA, WGOV, 950, Valdosta, bumper sticker with confirmation written on original letter. (Trelford--JA)
GEORGIA, WGST, 690, Atlanta, card. V/s illegible, CE. (Trelford--JA)
INDIANA, WHLY, 1580, south Bend, verification letter and folder in 67 days. V/s Mike Shannon, OM. (Pote--IN)
MASSACHUSETTS, WJDA, 1300, Quincy, letter, sticker in 11 days. V/s James D. Asher, Pres. (Trelford--JA)
MASSACHUSETTS, WNRG, 1510, Boston, letter, info sheet, program schedule in 280 days. V/s Rose Miller. (Trelford--JA)
MICHIGAN, WJRW, 760, Detroit, QSL in 9 days, V/s Ed Buterbaugh CE and Al Mayers, OM. (Pote--IN)
MICHIGAN, WUFL, 1030, veri letter, sticker, pamphlet and cassette of Christian children's group Psalty for my 6 year old (!) in 2 weeks. In my report i mentioned hearing a promo for Psalty concert and that my daughter likes Psalty music. (Moore--IA)
MINNESOTA, KJKJ, 1020, Fergus Falls, /d letter in 34 days. V/s Bud Nornes, GM. (Wilkins--CO)
MINNESOTA, WCCO, 830, Minneapolis, QSL card in 26 days. (Pote--IN)
MINNESOTA, WCTS, 1030, Maplewood, f/d letter, sticker, program guide in 17 days. V/s Dennis Whitehead, mgr. (Wilkins--CO)
MINNESOTA, WIMN, 1220, Stillwater, verie letter in 22 days. V/s Daniel Smith. (Pote--IN)
MISSOURI, KATZ, 1600, St. Louis, p/d letter in 14 days after f/up. V/s Daryl McQuinn, CE. (Wilkins--CO)
MISSOURI, KOTC, 830, Kennett, verie letter sticker and coverage map in 40 days. V/s Mike Scallorns, PD. (Pote--IN)

NEBRASKA, KRVN, 880, Lexington, elaborate QSL, map, sticker and history in 164 days after f/up. (Pote-IN)
 NEW YORK, WCBS, 880, New York City, QSL card in 56 days. (Pote-IN)
 NEW YORK, WGY, 810, Schenectady, verie letter and sticker in 9 days. V/s Bob Blanchard, CE. (Pote-IN)

NORTH DAKOTA, KQFN, 1550, West Fargo, ppd/card in ten days after f/up. V/s Aaron White. (Wilkins-CO)
 OHIO, WTAM, 1100, Cleveland, p/d letter, key ring in 20 days. V/s K. M. Yarham, programming. (Wilkins-CO)
 OKLAHOMA, KCLI, 1320, Clinton, p/d letter, profile sheet in 26 days. V/s Pamela Olson, sales. (Wilkins-OK)
 OKLAHOMA, KVOO, 1170, Tulsa, p/d letter in 4 months after f/up. V/s Joe Hancock, CE. (Rolph-NZ)
 PENNSYLVANIA, WICK, 1400, Scranton, notes on computer print out of programs in 29 days. V/s Don Pregnaw. (Trelford-JA)
 OHIO, WKY, 550, Cincinnati, station almanac, stickers in 8 days. (Pote-IN)
 OKLAHOMA, KVOO, 1170, Tulsa, 12 page folder with history, personalities, maps and 2 business cards in 20 days. V/s Joe Hancock, CE and Ric Hampton, Engineer. (Pote-IN)
 OREGON, KEX, 1190, Portland, care in 28 days. (Trelford-JA)
 OREGON, KUIK, 1360, Hillsboro, p/d letter, sticker, program guide and T-shirt in 42 days. (Rolph-NZ)
 TEXAS, KAAM, 620, Plano, f/d postcard in 24 days. V/s Hue Beavers. (Heinen-CO)
 TEXAS, KAAM, 620, Plano, verie letter in 28 days. V/s Hue Beavers, GM. (Pote-IN)
 TEXAS, KBNA, 920, El Paso, f/d letter for IRCA test, bumper sticker and coverage maps in 20 days. (Heinen-CO)
 TEXAS, KGBC, 1540, Galveston, n/d letter, sticker, hurricane tracking chart in 13 days. V/s Glenn Chisman, PD. (Wilkins-CO)
 TEXAS, KIJN, 1060, Farwell, note in reception report in 6 days. V/s Gil W. Patschke, Mgr. (Wilkins-CO)
 TEXAS, KLSR, 1130, Memphis, form letter in 7 days plus bumper sticker. V/s Joe Davis, Owner/GM. (Heinen-CO)
 TEXAS, KTNZ, 1010, Amarillo, p/d letter in 13 days. V/s Dayton Martin, Asst. PD. (Heinen-CO)
 WISCONSIN, WHFR, 1320, Wisconsin Rapids, returned report form with notation in one week, business card. V/s Miles G. Knuteson, VP and GM. (Reiser-IL)
 WISCONSIN, WTSO, 1070, Madison, f/d letter in 15 days. V/s Dan Masucci, PD. (Heinen-CO)
 WYOMING, KKTY, 1470, Douglas, f/d letter in 9 days. V/s Dennis Switzer, O/GM. (Heinen-CO)
 WYOMING, KJLL, 1370, Cheyenne, n/d letter in 19 days. V/s Paul Montoya. (Wilkins-CO)

OUTSIDE OF NORTH AMERICA

DOMINICAN REPUBLIC, HIAJ, 1570, Santo Domingo, letter, card in 51 days. V/s Joel Calderon Lithgow. (Trelford-JA)
 NETHERLANDS ANTILLES, Radio Hoyer II, 1500, f/d prepared card in 20 months for reception from Venezuela. (Moore-IA)
 MEXICO, XETOL, 1130, Toluca, ppd/card, n/d letter in 127 days after f/up. V/s Ramiro G. Aguilera O., Gerente de Mercadotecnia. (Wilkins-CO)

OTHER STUFF

COLORADO, "KRCX" 1490, Regis University, Denver, ppd/card in 74 days after f/up. V/s Brian Elms, GM. (Wilkins-CO)
 COLORADO, WMSV510, Colorado DOT, Denver TIS, ppd/card in 18 days. V/s Carl Sorrentino, (Wilkins-CO)
 COLORADO, WNN689, 890, Coors Field TIS, Denver TIS, ppd/card in 9 days plus letter and Rockies sticker. V/s Steve Jikolajczak, Stadium ops. (Wilkins-CO)

Thanks to those who contributed to this go round. They include: Wayne Heinen, Aurora, Colorado, Joe Kureth, Uniontown, Maryland, Ken MacHarg, Quito, Ecuador, Don Moore, Davenport, Iowa, Robert Pote, Greenwood, Indiana, Thomas Reiser, Chicago, IL, Michael Rolph, Inverell, NSW, Australia, Don Trelford, St. Anns Bay, Jamaica (sounds like my kind of place—Ken) and John Wilkins, Wheat Ridge, Colorado.

I notice that some of our reporters are having problems with Latin American (Spanish) names. Most Latin Americans are big on titles. North Americans use them sparingly, for example for Doctor, Reverend, Father, Governor, Mayor, Senator, President and Professor, but not a whole lot

more. Almost everyone in Latin America uses the title. Some of the most common are: Arq. (Architect), Ing. (Engineer), Dr. or Dra. (Doctor, Masculine and feminine), Abg. (Lawyer), Econ. (Economist), Lic. (Licenciado—it means a person holds a B.A. degree and may not have any particular professional reference.) A word of caution, when someone uses Dr. or Dra. it may not mean they are a medical doctor. For some it will mean they have a PhD from a U.S. or local university. For others in a country such as Ecuador it means they have a Doctorado degree which is equivalent to a Masters degree in the U.S. In any case, when in doubt, use the title, it is very important. Add to this the complications of Latin names. Most people use three names, the first being their given name, the second being their surname, the third being their mother's surname. Don Moore has an excellent article on this at his web site (<http://www.mcrest.edu/~moore/latindir/names.html>). Best wishes until next time. —Ken

Once-secret radio station is silenced

►KRSN-AM
 once broadcast
 Duke Ellington
 live and coded
 news of the
 A-bomb's
 success

Santa Fe New Mexican
 —via Michael Parish

unsuccessful, he said, because most potential buyers these days want FM stations. As of Jan. 10, the down-home AM station became a part of Los Alamos history.

Like Los Alamos itself, KRSN—originally known as KRS—came into being because of the Manhattan Project, the top-secret project on the isolated mesas of the Pajarito Plateau that developed the first atomic bomb during World War II.

Bob Porton came to Los Alamos from Florida in 1944 as a member of the Army Corps of Engineers.

It was his job to help keep up morale in the closed community of 6,000. He coordinated dances and athletic activities, ran two small movie theaters and managed the tiny radio station.

He remembers the lunch-hour scene on July 16, 1945, when he and co-workers were surprised to find the control room at the small Army-run station filled with 35 to 40 Manhattan Project scientists.

Tension increased as KRS—Community Radio Service—began broadcasting Bob Lloyd's 12:45 p.m. news broadcast from KOB radio in Albuquerque.

"He began his newscast by saying that the commanding officer of the Alamogordo air base announced this morning that a huge ammunition dump had blown up there, but there were no injuries," Porton recalled.

Pandemonium broke out in the control room.

"All the scientists in the control room laughed and applauded and slapped each other on the back," Porton said. "That was their first knowledge that the (Trinity) test had succeeded."

The scientists and military security had fabricated the story in advance to offer a plausible explanation to those who might see or hear the explosion of the first atomic bomb in the desert near Alamogordo. The fact the story was released to the news media indicated the bomb had successfully detonated, Porton said.

Like the rest of Los Alamos, KRS was veiled in secrecy. Its signal was linked to the town's power supply network rather than broadcast into the atmosphere. Capacitors on the power grid at the edge of town blocked most of the signal from escaping "the Hill," said Porton.

No on-air reference was ever made to Los Alamos, nor were last names used or any information given that would give away Los Alamos' existence, he said.

That secrecy made for rough going for the

By KATHLEEN PARKER
 The New Mexican

LOS ALAMOS — During a recent snowstorm, Los Alamos residents arose, plugged in their coffeepots and switched on radio station KRSN-AM, which for more than 50 years had been a source of local news.

But instead of announcements about road conditions and school closures, listeners were greeted with silence at 1490 on the AM dial.

KRSN, long a presence in the community,

was gone.

Owner Dean Burns, whose father, Darrel, bought the station in 1956, said the station was a victim of Los Alamos' shrinking retail community and a lack of support from merchants.

"I was brought up with the idea you try to serve other people, but that just isn't possible anymore," said Burns. "I have made all the cuts that are humanly possible, and it just didn't help."

Attempts to sell the station have been

said. "The big news was we went full time," and hooked into the United Press International wire service.

Porton is proud of the fact that the radio station helped draw big-name talent to Los Alamos during the early post-war years. Duke Ellington, Henry Busse and Count Basie were among those who played at the radio station and at dances on the Hill.

In April 1948, the station moved from the "Big House" at the former Los Alamos Ranch School to the Los Alamos Community Center downtown, where it remained until the 1960s, when it moved to North Mesa. In 1949, the government sold the station, by then called KRSN, to a private owner, who sold it to Darrel Burns and Virgil Parker in 1956.

Burns eventually bought out Parker and ran the station until about 1988. Burns is described by his family and former employees as a man who believed in community service.

Under his guidance, the station broadcast county council meetings live for years, sponsored visits by the Easter Bunny — often played by Burns' son, Dale — and visits from Santa Claus, played by Burns.

Burns, who died in 1991, helped form the Los Alamos Chamber of Commerce and the Community Chest, the predecessor to the Los Alamos United Way. The station sponsored a "home show" twice a year for merchants and fall auto shows, since "the Hill" had no car dealerships.

Disc jockey Bruce McGrath, who worked for the station for 33 years, described the music programming format as a smorgasbord of adult contemporary music, rock 'n' roll, "elevator" music and classical and Broadway music mixed with news — a format designed to offer something for everyone in the community.

The station broadcast at 5,000 watts and could reach clear to Santa Fe "on a good day," said McGrath, although the Federal Communications Commission used to require the station to reduce its nighttime wattage to 250.

At its peak during the 1980s, the station had about 20 employees, said Dean Burns, but it had only three employees at the time it went off the air.

All have found work elsewhere or have been absorbed into KRSN's surviving sister station, KNLA, at FM 101.

KNLA, which has an "oldies, but goodies" format, is the only remaining radio station in Los Alamos.



Oyde Mueller/The New Mexican

Bob Porton poses with two of his favorite pieces of memorabilia from the years he managed Los Alamos' first radio station: a 1948 autographed photograph of Duke Ellington and the KRS call letters that used to sit on his desk.

station. Because Los Alamos officially did not exist, neither did the station, and so it couldn't get funding from the Armed Forces Radio Network, said Porton. That meant surviving on a shoestring and broadcasting only a few hours a day.

"If we didn't have an album to play that night, we'd call on a scientist — (Robert) Oppenheimer, Louis Rosen, (Edward) Teller and Hans Bethe — and borrow it and play it and return it the next day," Porton said.

The Army held dances and used the profits to buy records for the station, he said.

Teller read Hans Christian Andersen stories into what was, by today's standards, a primitive wire recorder.

The stories were played on the air for children until the device broke and could not be repaired, Porton said.

With the end of the war, and acknowledgment that Los Alamos existed, the station finally was fully funded.

"We were sent a very fine transmitter instead of the nuts and bolts we had," Porton

Target DX

DX'ing 'smart', with shared tips and requests by NRC members

Broadcast Band DX Buyer's Guide

This edition of *Target DX* is in response to a recent request in DDXD-West for information on equipment and where to buy it. Originally, I was only going to cover outboard gear. But with the wide array of receivers available today, it seemed that a listing of the major brands would also be useful.

At the risk of stating the obvious, here are a few qualifying statements to keep in mind. Comparison shopping is encouraged before making any significant purchase. Request catalogs from the various distributors to compare prices and return policies. Carefully review manufacturers' specifications to determine whether or not a product will meet the requirements of your specific application. Distributor catalogs often list vital statistics, or specifications may be requested directly from the manufacturer. The list is not exhaustive. I tried to identify equipment commonly used by DXers as reported in *DX News*, along with some relatively unknown but interesting products for informational purposes. Omissions from this listing are not intentional and should not be considered blanket rejection of a product or distributor. Comments are included based upon personal knowledge or experience, but should not be considered an endorsement of one product over any others.

Contributions are welcome. If you know of any additional products or distributors that would be of interest to fellow broadcast band DXers, send the information to *Target DX* for inclusion in future editions. I'm especially interested in comments from anyone who's had experience with some of the new technologies and lesser known products, such as the WinRADIO computer receiver, Worldcom and Eldon loops, and DSP audio filters.

Receivers

- **AKD**
Boulton Road, Stevenage, Herts SG1 4QG, England
Model: Target HF3
Comments: A new economical entry-level table top receiver, industrial design similar to Lowe.
- **AOR Ltd.**
Adam Bede High Tech Centre, Wirksworth, Derbyshire DE4 4BG, England
Models: AR3030, AR5000, AR7000, AR7030
Comments: The AR7030 is a new top-of-the-line model introduced in 1996, around \$1200, which breaks new ground in receiver design with microprocessor technology, featuring IR remote control, greater than 100 dB d-range, and multiple

Bruce Conti BACONTI@aol.com
46 Ridgfield Drive
Nashua, NH 03062-1174

IFs that can be upgraded to superior ceramics, active filters, and Collins mechanical filters, powered by external AC adapter or 15 VDC. The AR5000 features continuous coverage 10 kHz - 2.6 GHz, except for cellular phone frequencies. The AR7000 is soon to be released, 100 kHz - 2 GHz, with spectrum analyzer display.

- **Baygen Power Co. Ltd.**
89 St. Patrick Rd., Johannesburg, 2198 South Africa
Model: "Freeplay"
Comments: Powered by wind-up Baylis generator, no batteries or external power source required, analog slide-rule dial, AM, FM, 3-12 MHz SW.
- **R.L. Drake Company**
230 Industrial Drive, Franklin, OH 45005
(513) 866-2421
Models: SW1, SW8, R8A.
Comments: The R8A represents Drake's top-of-the-line, the long-awaited follow-up to the modern-day classic R7, \$1100, 100 dB d-range, 10 Hz tuning resolution, features include multiple IFs (not upgradeable with standard ceramic/mechanical filters), pass band, audio notch, fast and slow AGC, wide and narrow noise blanking, internal AC power supply or external 12 VDC operation. The R8A incorporates several improvements over the original R8, including additional pushbuttons for mode and bandwidth selection, and a detachable line cord. SW8 is entry-level model, AC/battery operation, upgradeable IF filters. SW1 is mid-range table top receiver (looks like a scaled-down R8A).
- **GE (General Electric)**
Model: Superadio III
Comments: AM/FM portable, TRF design for long range AM reception, analog slide-rule dial, AC/battery operation, about \$60, available from department stores such as K-Mart, pre-installed FM SCA upgrades available through some mail-order distributors. Performance of Superadio I and II predecessors is considered better than Superadio III.
- **Grundig**
USA: (800) 872-2228 (415) 361-1611
Canada: (800) 637-1648
Models: Yacht Boy 400, Satellit 700, others.
Comments: Entry-level economical portables. Satellit 700 includes built-in NiCad battery charger, 160 - 353 kHz LW, 528 kHz - 30 MHz MW/SW, and FM frequency coverage, \$450, memory expansion upgrades available.

wblj
radio
DALTON, GA. 30720

- **ICOM America, Inc.**
2380 116th Ave. NE, Bellevue, WA 98004
www.icomamerica.com
Models: R10, R100, R8500, comm/gov't issues.
Comments: R8500 is latest high-end model, covers 0.1 - 1999.99 MHz, 107 dB d-range, 10 Hz tuning resolution, AC or 12 VDC operation, around \$2000. R100 is a more economical 0.1 - 1856 MHz receiver, requires 12 VDC operation, external power supply not included, \$650. R10 is a new hand-held model replacing the R1, 500 kHz - 1300 MHz. Earlier models R70 and R71 are modern-day classics.
- **Japan Radio Co., Ltd.**
430 Park Ave., New York, NY 10022
(212) 355-1180
Models: NRD-515, NRD-525, NRD-535/D
Comments: NRD-535D is "deluxe" top-of-the-line table top receiver, 106 dB d-range, includes bandwidth control, ECSS, and filter options, \$1700.
- **Kenwood Communications Corporation**
P.O. Box 22745, Long Beach, CA 90801-5745
(310) 639-5300
www.kenwood.net
Model: R-5000
Comments: R-5000 is top-of-the-line table top, 105 dB d-range, \$1050, optional IF filter upgrades available.
- **Lowe**
Matlock, Derbyshire DE4 5LE, England
www.lowe.co.uk/
Models: HF-225, HF-225 Europa, HF-250, HF-150.
Comments: Simple user interface and compact size are primary characteristics of all models. "Europa" model is upgraded with multiple IF filters for DXing and wired remote keypad entry, around \$1100, 12 VDC operation, external power supply provided, tunes in 8 Hz increments, but feature-deprived compared to other receivers in the same price range, lacking pass band, audio notch, and selectable AGC, frequency display rounded down to nearest 1 kHz, nevertheless a top notch DX receiver. HF-150 is entry-level model.
- **Panasonic Company**
One Panasonic Way, Secaucus, NJ 07094
Models: RFB11, RFB45, others.
Comments: Entry-level economical portables.
- **Radio Shack**
www.tandy.com
Models: Realistic "TRF" 12-655, DX394, others.
Comments: Entry-level / budget receivers. 394 is latest table-top model, \$280. "TRF" 12-655 and follow-up models are no longer manufactured, but were popular AM-only portables designed and marketed for long range reception.
- **Rosetta Laboratories**
www.winradio.net.au
Model: WinRADIO
Comments: Plug-in PC card receiver, covers 0.5 - 1300 MHz, requires Windows 3.1 or 95, NT version soon to be released.

- **Sangean America, Inc.**
2651 Troy Ave., S. El Monte, CA 91733
(818) 579-1600
Models: ATS 808, ATS 909, ATS 818/CS, others.
Comments: Entry-level economical portables, 909 is latest top-of-the-line from Sangean, 818CS features built-in cassette recorder.
- **Sony Corporation of America**
Sony Drive, Park Ridge, NJ 07656
Models: ICF-2010, ICF-SW77, ICF-SW1000T, SRF42 Walkman, and many others.
Comments: Most are entry-level portable receivers. The ICF-2010 is a top-of-the-line portable, around \$350, featuring 150 kHz - 30 MHz, FM, and 116 - 136 MHz air band coverage, selectable side-band synchronous tuning, two IFs which can be upgraded through a third party (see IF Filter Upgrades), battery operated or powered by external supply provided. ICF-SW1000T features built-in cassette recorder and FM stereo. SRF42 Walkman receives AM stereo, apparently no longer manufactured but still available in limited supply from some department stores.
- **Watkins-Johnson**
700 Quince Road, Gaithersburg, MD 20878-1794
(800) WJ-HELPS
Model: HF-1000
Comments: High-end "industrial" rack mount receiver, 58 IF bandwidths, 1 Hz tuning resolution, universal power supply, \$3800.
- **Yaesu USA**
17210 Edwards Road, Cerritos, CA 90701
(310) 404-2700
Model: FRG-100/B
Comments: Mid-range table top receiver, \$590, available options include wired remote keypad and computer interface, IF filters are upgradeable.
- **Additional Information**
Shortwave Receivers Past & Present, Communications Receivers 1945-1996, second ed., January 1997, by Fred Osterman.
Radio Receiver: Chance Or Choice and More Radio Receiver: Chance Or Choice, by Rainer Lichte.
- **Loop Antennas**
• **Eldon Electronics**
P.O. Box 713, Port Coquitlam, BC V3B 6H9
(604) 532-0170
Models: EEE-195, EEE-195TL
Comments: Ferrite loops, 195TL "Tri-Loop" is an upgraded version of the basic 195 model.
- **Kiwa Electronics**
612 South 14th Ave., Yakima, WA 98902
(800) 398-1146 (509) 453-KIWA
www.wolfe.net/~kiwa e-mail: kiwa@wolfe.net
Models: Kiwa Loop, Poster Loop, Pocket Loop
Comments: The "Kiwa Loop" is an air-core loop with regenerative tuning, a mechanical work of art, around \$350. "Poster" and "Pocket" loops are economical air-core designs, inductively coupled to receiver's internal ferrite (no direct connection required).

• Palomar
Box 462222, Escondido, CA 92046
Orders: (800) 883-7020 Info: (619) 747-3343
e-mail: 75353.2175@compuserve.com
Models: BCB Loop / LA-1 Amplifier
Comments: Ferrite loop plugs into amplifier base, additional plug-ins are available for LW and SW, 9 VDC battery powered.
• Radio Plus+ Electronics
3635 Chastain Way, Pensacola, FL 32504
(904) 434-3635
Models: "The Quantum Loop", and "Q-Stick"
• Worcester Electronics Laboratory
Models: SM-1 and SM-2 "Space Magnet"
Comments: Shielded 12-inch ferrite loop with two-stage pre-amplifier, no longer manufactured.
• Worldcom Technology
1118 Raymond Avenue, Ft. Pierce, FL 34950
(407) 466-4640
Model: NXL-250A
Comments: Amplified loop, standard model covers 540 kHz to 30 MHz, choice of 20-inch or 12-inch loop, and 500-1700 kHz MW version.

Antenna Tuners

• WA1ION DX Labs
Models: "RL-1" and "RW-1"
Comments: Not commercially available. Plans for assembly available through NRC Reprints. DC voltage varies varactor capacitance for remote control tuning of loop or whip antenna.
• Oak Ridge Radio
P.O. Box 2092, Littleton, MA 01460-3092
www.ultranet.com/~oakridge/
Model: "Byan antenna".
Comments: DC voltage remote controls a Vactrol variable resistance photocell used as a Beverage termination. See article in *DX News*, Vol. 64 No. 14.

Antenna Phasing Units

Purpose: Antenna phasing units provide reception from a single direction such as in a cardioid pattern, by phasing two antennas for phase cancellation of undesired signal(s).

• Dallas Lankford

• WA1ION DX Labs

Models: "DL" delay-line series.

Comments: Not commercially available. Plans for assembly available through NRC Reprints. Wide-band operation advantageous for band scanning and easier to use than LC tank models, but signal loss requires RF amplification in most cases, thus making the delay line design less bullet-proof than the LC tank.

• WA1ION DX Labs

Models: "MWDX" LC tank series.

Comments: Not commercially available. Plans for assembly available through NRC Reprints. Less sensitive to hostile RF environment than delay line. For advanced DXers, as narrow-band operation makes it more difficult to master the tuning process

than with delay line. Beginners might be more successful starting with a delay line phasing unit.

• JPS Communications Inc.

P.O. Box 97757, Raleigh, NC 27624-7757

www.jps.com e-mail: sales@jps.com

Model: ANC-4

Comments: For phasing antenna wire against noise pick-up whip or wire, to cancel locally radiated noise or electrical noise radiating from source(s) within a building.

Audio DSP

Purpose: Digital signal processor (DSP) technology is used to clean-up audio. Most models can be used for removal of noise and hets, and improvement of overall sound quality with band pass filtering and equalization techniques. Don't expect dramatic improvements in difficult to hear DX or excessive noise levels. Many feature presets for sideband, CW, and utility work, and are better suited for these types of applications. A showroom test drive is recommended before buying any DSP unit, such that a decision isn't made based upon unreasonable expectations.

• JPS Communications Inc.

Models: NIR-10, NIR-12, NF-60, NTR-1, NRF-7

Comments: NIR-12 is latest model, utilizes dual DSP, \$330. Good customer support, designed for software upgrades when available. Circuitry uses Texas Instruments DSP, from which software development tools are available for custom programming of some NIR models.

• MFJ Enterprises, Inc.

300 Industrial Park Road, Starkville, MS 39759

Models: MFJ-752C, MFJ-784B

Comments: 784B uses Analog Devices DSP.

• SGC Inc.

13737 S.E. 26th Street, Bellevue, WA 98005

(800) 259-7331 (206) 746-6310

www.sgeworld.com e-mail: sgcmktg@aol.com

Model: PowerClear

• Timewave Technology Inc.

2401 Pilot Knob Road, St. Paul, MN 55120-1121

(612) 452-5939

www.timewave.com e-mail: dsp@timewave.com

Models: DSP-9, DSP-59/Y

Comments: Top-of-the-line, high-end models. 59Y is Yaesu speaker-mount version.

IF Filter Upgrades

• Kiwa Electronics

612 South 14th Ave., Yakima, WA 98902

Models: Sony, Japan Radio, Yaesu, others.

Comments: The upgrade kit for the Sony ICF-2010 includes easy to follow instructions with clear diagrams, solder and solder-wick are provided, only a soldering iron and some experience are required. Kiwa also installs upgrades for a nominal fee.

Antenna Splitters

Purpose: An antenna splitter allows for more than one receiver to be connected to the same antenna without significant signal degradation.

• Industrial Communications Engineering (ICE)

P.O. Box 18495, Indianapolis, IN 46218-0495

(800) ICE-COMM (317) 545-5412

Models: 112-2A and -4A active antenna splitters.

Comments: 1-30 MHz frequency range, 2A permits operation of two receivers from one antenna, 4A permits up to four receivers, powered by external 12 volts DC not included, under \$50, SO-239 or BNC jacks can be specified.

• RF Systems

P.O. Box 474, NL-7900 AL Hoogetveen, Netherlands

Models: DA-4, SP-2

Comments: DA-4 distribution amplifier permits operation of up to four receivers from one antenna, 10 kHz - 30 MHz, AC powered, \$300.

Longwire Matching Transformers

Purpose: Matches longwire impedance with 50 ohm coax/receiver input impedance, for improved efficiency and noise reduction.

• Aurora DX Supply

P.O. Box 71553, Aurora, ON L4G 6S9

Model: Longwire Impedance Matcher

Comments: 100 kHz - 30 MHz operation.

• Mini-Circuits

P.O. Box 350166, Brooklyn, NY 11235-0003

(718) 934-4500

Models: T1-6T (1:1), T9-1 (9:1), many others.

Comments: Above models are 6-pin DIP for homebrew assemblies and experimenters; other styles available. 9:1 matches 560 ohms typical longwire or Beverage impedance to 50 ohms coax/receiver input. 1:1 used for additional isolation.

• Palomar

Model: MLB-1

Comments: 500 kHz - 30 MHz operation.

• Watson (UK)

Model: Watson Long Wire Balun

Comments: 100 kHz - 40 MHz operation.

Major Distributors

• Atlantic Ham Radio Ltd.

368 Wilson Avenue, Downsview, ON M3H 1S9

(416) 636-3636, (416) 222-2506

www.interlog.com/~ahr e-mail: ahr@interlog.com

• Electronic Equipment Bank (EEB)

323 Mill Street, Vienna, VA 22180

Orders: (800) 368-3270 Info: (703) 938-3350

www.access.digex.net/~eeb/eeb.html

• Gilfer Shortwave

52 Park Avenue, Park Ridge, NJ 07656

Orders: (800) GILFER-1 Info: (201) 391-7887

www.gilfer.com e-mail: info@gilfer.com

• Grove Enterprises, Inc.

7540 Hwy. 64 West, Brasstown, NC 28902

(800) 438-8155 (704) 837-9200

www.grove.net e-mail: order@grove.net

• Ham Radio Outlet (HRO)

933 North Euclid Street, Anaheim, CA 92801

Western US/Canada: (800) 854-6046

Mountain/Central US: (800) 444-9476

Southeastern US: (800) 444-7927

Mid-Atlantic US: (800) 444-4799

Northeastern US: (800) 644-4476

New England/Eastern Canada: (800) 444-0047

www.hamradio.com

• Norham Radio Inc.

4373 Steeles Ave. W., North York, ON M3N 1V7

(416) 667-1000

www.norham.com e-mail: norham@fox.nstn.ca

• Radio Shack

www.tandy.com

Locations throughout North America.

• Universal Radio Inc.

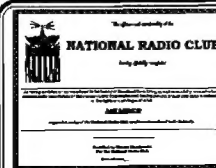
6830 Americana Pkwy., Reynoldsburg, OH 43068

Orders: (800) 431-3939 Info: (614) 866-4267

e-mail: dx@universal-radio.com

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